Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/14/2018 03/14/2018	Bob Duffey

LM Start		Rating **	Α	Issue No.		11	
LM End		Issue Type +	Ma	Location *			
Category	Earthen L	evee		GPS La	atitude	/Longitude	
Calegory				Start		End	
Item		s & Maintena	nce		0		0
пеш	Manuals				0		0
DWR ID	DWR_MA0	005_01_s _ 201	3_11				
		Comn	nent Cod	le			
		Inspecto	or Comm	nent			
The LMA has the O&M manuals.							

No Photos

LM Start		Rating **	Α	Issue No.		12	
LM End		Issue Type +	Ма	Location *			
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Category				Start		End	
Item	Emergency Supplies &				0		0
пеш	Equipmer			0		0	
DWR ID	DWR_MA0	005_01_s _ 201	3_12				
		Comn	nent Cod	le			
Inspector Comment							
The LMA has adequate flood fight supplies and equipment.							

No Photos

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/14/2018 03/14/2018	Bob Duffey

LM Start		Rating **	Α	Issue No.		13	
LM End		Issue Type +	Ма	Location *			
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	Flood Pre	paredness &	Training			0	
пеш					٥		0
DWR ID	DWR_MA0	005_01_s _ 201	3_13				
		Comn	nent Cod	le			
Inspector Comment							
The LMA o	The LMA completed flood fight training in 2014.						

No Photos

LM Start	0.05	Issue No.		45		
LM End	0.05	Issue Type +	Ma	Location *		LS
Category	Earthen L	evee		GPS Latitude/Longitude		
Calegory				Start		End
Item	Trim / Thi	n Trees		39.6967	90°	39.696790 °
-121.774154 ° -121.774154						
DWR ID DWR_MA0005_01_f _ 2016_45						
		_	. ^			

Comment Code

T1 : Trim trees to at least five feet above ground level.

Inspector Comment

Remove wood loggs from the waterside slope and trim trees to at least five feet above the levee slope.

Photo 1 of 1 : SP	_2018_MA0005	_196_45	_20180305_	_00022.jpg
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View of the wood logs on the landside slope.

LM Start	0.07	Rating **	M	Issue No.		46
LM End	0.07	Issue Type +	Ma	Location *	LS	
Category	evee	GPS Latitude/Longitude				
Calegory	egory					End
Item	Slope Sta	bility		39.6966	11°	39.696611 °
Item	-121.774349° -121.774349					
DWR ID DWR_MA0005_01_f _ 2016_46						
		Comn	ant Car	ام		

Comment Code

S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.

Inspector Comment



View of the damaged slope by foot traffic.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/14/2018 03/14/2018	Bob Duffey

LM Start	0.08	Rating **	М	Issue No.		47
LM End	0.08	Issue Type +	Ма	Location *		WS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Encroach	ments		39.6964	76°	39.696476 °
пеш				-121.7745	82°	-121.774582 °
DWR ID	DWR_MA0	005_01_f _ 201	6_47			
		Comn	nent Cod	le		
PR : Pruni	ngs					
		Inspecto	or Comm	nent		
Remove p visibility.	runings on	the waterside	e and lan	dside slope	es to	allow

No Photos

LM Start	0.56	Rating **	М	Issue No.		903
LM End	0.56	Issue Type +	Ma	Location *		LS
Category	evee	GPS La	atitud	e/Longitude		
Calegory				Start		End
Item	Vegetatio	n		39.6907	45°	39.690745°
item				-121.7773	42 °	-121.777342 °
DWR ID	DWR_MA0	005_01_s _ 201	2_903			
Comment Code						
V4 : Elderberries are blocking visibility and flood fight capability.						

No Photos

Inspector Comment

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy

Ob : Design & System Obsolescence

En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/14/2018 03/14/2018	Bob Duffey

LM Start	0.58 Rating ** M Issue No. 32								
LM End	0.68	Issue Type +	Ма	Location *		LS			
Category	Earthen L	evee		GPS La	atitud	e/Longitude			
Calegory				Start		End			
Item	Trim / Thi	n Trees		39.6904	96°	39.689137 °			
item			-121.7771	09 °	-121.776938 °				
DWR ID DWR_MA0005_01_s _ 2014_32									
		Comn	nent Cod	de					
T2: Thin t	rees to allo	ow visibility of	the grou	nd and roo	m to	flood fight.			
		Inspecto	or Comm	nent					



View of the trees along the landside toe blocking visibility.

LM Start	0.81	Rating **	М	Issue No.		48	
LM End	0.81	Issue Type +	Ma	Location *		LS	
Category Earthen Levee				GPS Latitude/Longitude			
				Start		End	
Item	Trim / Thin Trees				32°	39.687332 °	
пеш				-121.7774	56°	-121.777456 °	
DWR ID DWR_MA0005_01_f _ 2016_48							
Comment Code							

T1: Trim trees to at least five feet above ground level.

Inspector Comment

Nο	Photos	:

LM Start	1.01	Rating **	М	Issue No.		51	
LM End	1.01	Issue Type +	Ma	Location *		LS	
Category Earthen Levee				GPS La	atitud	e/Longitude	
				Start		End	
Item	Trim / Thi	n Trees		39.6844	97°	39.684497°	
пеш			-121.7769	05 °	-121.776905 °		
DWR ID DWR_MA0005_01_f _ 2016_51							
Comment Code							

T1 : Trim trees to at least five feet above ground level.

Inspector Comment

No Photos

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/14/2018 03/14/2018	Bob Duffey

LM Start	1.11	Rating **	М	Issue No.		52
LM End	1.14	Issue Type +	Ма	Location *		LS
Category	Earthen L	evee		GPS La	atitud	le/Longitude
Calegory				Start		End
Item	Trim / Thi	39.6832	° 80	39.682695 °		
item				-121.7762	79°	-121.776325°
DWR ID	DWR_MA0	005_01_f _ 201	6_52			
		Comn	nent Cod	le		
T1 : Trim t	rees to at	east five feet	above g	round level		
		Inspecto	or Comm	nent		

No Photos

LM Start	1.60	Rating **	A/W	Issue No.		71			
LM End	1.64	Issue Type +	Ma	Location *					
Category				GPS Lat	ituc	le/Longitude			
Category				Start	End				
Item	2017 Stor	m Damage		39.67629	8 °	39.675818	0		
item		-121.77827	2 °	-121.778630	0				
DWR ID DWR_MA0005_01_f _ 2017_71									
	Comment Code								

No Photos

Inspector Comment

Levee Evaluation Comments

Description: Site ID No:224

Site ID No:224
Site Designation:MA5-N-01

Repair Type: Erosion Rating:Serious Field Date:6/8/2017

Notes: This soil has more sand and less clay than the other MA5 site, more clay in the levee than in the bank here. There are several small

bank erosion sites nearby.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/14/2018 03/14/2018	Bob Duffey

LM Start	1.61	Rating **	М	Issue No.		16	
LM End	1.61	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS L	atitud	e/Longitude	
Calegory				Start		End	
Item	Slope Sta	39.6761	29°	39.676129°			
item			-121.7781	71 °	-121.778171 °		
DWR ID DWR_MA0005_01_s _ 2013_16							
		Comn	nent Cod	de			
	ir the levee ere possib	slope damag le.	jed by ve	ehicle traffic	and	prevent	
		Inspecto	or Comm	nent			



View of the unauthorized vehicle ramp on the landside slope.

LM Start	2.54	Rating **	М	Issue No.		9		
LM End	2.54	Issue Type +	Ma	Location *		LS		
Category Earthen Levee				GPS Latitude/Longitude				
				Start		End		
Item	Slope Sta	bility		39.6638	76°	39.663876°		
item				-121.7840	14 °	-121.784014 °		
DWR ID DWR_MA0005_01_f _ 2012_9								
Comment Code								

S3: Repair the levee slope damaged by vehicle traffic and prevent access where possible.

Inspector Comment



View of the vehicle erosion along the landside slope.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/14/2018 03/14/2018	Bob Duffey

LM Start	3.87	Rating **	A/W	Issue No.		905			
LM End	3.87	Issue Type +	Ма	Location *					
Category	Supplemental				GPS Latitude/Longitude				
Calegory	Category			Start		End			
Item	DWR UCIP LMA Responsibility			39.6462	17°	39.646217°			
пеш				-121.7854	31 °	-121.785431 °			
DWR ID									

Comment Code

Inspector Comment

FS_ID:51949 DS_ID:1616 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 5/15/2017 Crossing appears to be in good condition. LS inlet is located in the Distribution box on the LS toe. This is an overflow pipe used to regulate water levels in side the box. Pipe has been selected to be internally cleaned and inspected as part fo the DMP project. (DWR Sutter Yard-AFreitag)11/15/2016 Crossing appears to be in good condition. (DWR Sutter Yard-AFreitag)5/9/2016 Crossing appears to be in good

condition.8/5/2015 WS pipe end is being overgrown by trees and other vegetation. Needs to be cleared back.12/8/2014 Same as last inspection.6/11/2014 Same as last inspection.11/20/2013 Same as last inspection.

FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 16.5 feet below the crown. Slide gate in a corrugated metal riser on the waterside (WS) slope. Flap gate on the WS toe. Inlet on the landside (LS) toe, not found. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 516, April 1960, (Station 381+36)].

FS Date: 5/31/2017 12:32:00 PM

LM Start	3.87	Rating **	A/W	Issue No.	905 (cont)
LM End	3.87	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2018_51949_67931.jpg



CMP riser and slide gate on WS shoulder.

Photo 2 of 3: UCIP_SP_2018_51949_67930.jpg



Unable to locate inlet on LS.

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/14/2018 03/14/2018	Bob Duffey

LM Start	3.87	Rating **	A/W	Issue No.	905 (cont)		
LM End	3.87	Issue Type +	Ма	Location *			
Category			GPS Latitude/Longitude				
Calegory	Category			Start		End	
Item	DWR UC	IP LMA Respo	nsibility	39.64621	7°	39.646217°	
пеш						-121.785431 °	
DWR ID							
Comment Code							

Inspector Comment

FS_ID:51949 DS_ID:1616 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 5/15/2017 Crossing appears to be in good condition. LS inlet is located in the Distribution box on the LS toe. This is an overflow pipe used to regulate water levels in side the box. Pipe has been selected to be internally cleaned and inspected as part fo the DMP project. (DWR Sutter Yard- AFreitag)11/15/2016 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)5/9/2016 Crossing appears to be in good condition.8/5/2015 WS pipe end is being overgrown by trees and other vegetation. Needs to be cleared back.12/8/2014 Same as last inspection.6/11/2014 Same as last inspection.11/20/2013 Same as

FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 16.5 feet below the crown. Slide gate in a corrugated metal riser on the waterside (WS) slope. Flap gate on the WS toe. Inlet on the landside (LS) toe, not found. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 516, April 1960,

last inspection.5/29/2013 Same as last inspection.

(Station 381+36)].

FS Date: 5/31/2017 12:32:00 PM



Flap gate in channel at WS toe.

MA0005

Flood Control Project Maintenance Levee Inspections

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/14/2018 03/14/2018	Bob Duffey

LM Start	5.56	Rating **	М	Issue No.		907			
LM End	5.56	Issue Type +	Ма	Location *					
Category	Supplemental				GPS Latitude/Longitude				
Calegory	Calegory			Start		End			
Item	DWR UCIP LMA Responsibility			39.62455	9°	39.624559°			
пеш				-121.77214	11°	-121.772141 °			
DWR ID									

Comment Code

Inspector Comment

FS_ID:51954 DS ID:1768 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

FS Date: 5/31/2017 12:52:00 PM

UCIP Comments: 5/15/2017 Abandoned and needs to be done properly. A sink hole formed in the WS toe road and revealed the location of the WS pipe end. Sink hole will ned to be repaired before the next high water season but the pipe has been selected to be internally cleaned and camera inspected as part of the DMP project so it will have needed to be excavated along the WS end anyways. (DWR Sutter Yard- AFreitag)11/15/2016 Abandoned. Needs standpipe cover. (DWR Sutter Yard- AFreitag)5/9/2016 Abandoned pipe. Needs a cover for standpipe.8/5/2015 Abandoned pipes. Need covers made for tops of standpipes to prevent falls. 12/8/2014 Same as last inspection.6/11/2014 Same as last inspection.11/19/2013 Same as last inspection.5/29/2013 Same as last inspection. Land owner said pipes are abandoned and no longer used. Covers should be made for top of standpipe to prevent falls. Pipes should be properly abandoned.10/30/2012 Pipe 1/2 filled with soil at slide gate on WS. FIELD_STRUCT_DESC: *ABANDONED* 2 of 2: 36-inch corrugated metal drainage pipe through the levee, 11 feet below the crown. Slide gate in a 54-inch corrugated metal riser on the waterside (WS) slope. Concrete ""U"" shaped headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. Sacramento O&M Manual 516, April 1960, (Station 470+00)]

Photo 1 of 3: UCIP_SP_2018_51954_67939.jpg



Headwall at LS toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/14/2018 03/14/2018	Bob Duffey

LM Start	5.56	Rating **	М	Issue No.		907 (cont)
LM End	5.56	Issue Type +	Ма	Location *		
Category				GPS Latitude/Longitude		
Calegory	Category			Start		End
Item	DWR UCI	IP LMA Respo	nsibility	39.62455	9°	39.624559 °
пеш	item				۱1°	-121.772141 °
DWR ID						

Comment Code

Inspector Comment

FS_ID:51954 DS_ID:1768 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

FS Date: 5/31/2017 12:52:00 PM

UCIP Comments: 5/15/2017 Abandoned and needs to be done properly. A sink hole formed in the WS toe road and revealed the location of the WS pipe end. Sink hole will ned to be repaired before the next high water season but the pipe has been selected to be internally cleaned and camera inspected as part of the DMP project so it will have needed to be excavated along the WS end anyways. (DWR Sutter Yard- AFreitag)11/15/2016 Abandoned. Needs standpipe cover. (DWR Sutter Yard- AFreitag)5/9/2016 Abandoned pipe. Needs a cover for standpipe.8/5/2015 Abandoned pipes. Need covers made for tops of standpipes to prevent falls. 12/8/2014 Same as last inspection.6/11/2014 Same as last inspection.11/19/2013 Same as last inspection.5/29/2013 Same as last inspection. Land owner said pipes are abandoned and no longer used. Covers should be made for top of standpipe to prevent falls. Pipes should be properly abandoned.10/30/2012 Pipe 1/2 filled with soil at slide gate on WS. FIELD_STRUCT_DESC: *ABANDONED* 2 of 2: 36-inch corrugated metal drainage pipe through the levee, 11 feet below the crown. Slide gate in a 54-inch corrugated metal riser on the waterside (WS) slope. Concrete ""U"" shaped headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. Sacramento O&M Manual 516, April 1960, (Station 470+00)]



Headwall at LS toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/14/2018 03/14/2018	Bob Duffey

LM Start	5.56	Rating **	М	Issue No.		907 (cont)	
LM End	5.56	Issue Type +	Ма	Location *			
Category			GPS Latitude/Longitude				
Calegory	Category					End	
Item	DWR UC	IP LMA Respo	onsibility	39.624559°		39.624559°	
пеш				-121.77214	41 °	-121.772141 °	
DWR ID							
Comment Code							

Inspector Comment

FS_ID:51954 DS_ID:1768 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

FS Date: 5/31/2017 12:52:00 PM

UCIP Comments: 5/15/2017 Abandoned and needs to be done properly. A sink hole formed in the WS toe road and revealed the location of the WS pipe end. Sink hole will ned to be repaired before the next high water season but the pipe has been selected to be internally cleaned and camera inspected as part of the DMP project so it will have needed to be excavated along the WS end anyways. (DWR Sutter Yard- AFreitag)11/15/2016 Abandoned. Needs standpipe cover. (DWR Sutter Yard- AFreitag)5/9/2016 Abandoned pipe. Needs a cover for standpipe.8/5/2015 Abandoned pipes. Need covers made for tops of standpipes to prevent falls. 12/8/2014 Same as last inspection.6/11/2014 Same as last inspection.11/19/2013 Same as last inspection.5/29/2013 Same as last inspection. Land owner said pipes are abandoned and no longer used. Covers should be made for top of standpipe to prevent falls. Pipes should be properly abandoned.10/30/2012 Pipe 1/2 filled with soil at slide gate on WS. FIELD_STRUCT_DESC: *ABANDONED* 2 of 2: 36-inch corrugated metal drainage pipe through the levee, 11 feet below the crown. Slide gate in a 54-inch corrugated metal riser on the waterside (WS) slope. Concrete ""U"" shaped headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. Sacramento O&M Manual 516, April 1960, (Station 470+00)]



Slide gate at bottom of cmp riser.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/14/2018 03/14/2018	Bob Duffey

LM Start	5.56	Rating **	М	Issue No.		908	
LM End	5.56	Issue Type +	Ма	Location *			
Category Supplemental				GPS Latitude/Longitude			
Calegory			Start		End		
Item	DWR UCIP LMA Responsibility		onsibility	39.62455	9°	39.624559°	
пеш				-121.77214	1 °	-121.772141 °	
DWR ID							

Comment Code

Inspector Comment

FS_ID:51955 DS_ID:1620 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 5/15/2017 Abandoned and needs to be done properly. A sink hole formed in the WS toe road and revealed the location of the WS pipe end. Sink hole will ned to be repaired before the next high water season but the pipe has been selected to be internally cleaned and camera inspected as part of the DMP project so it will have needed to be excavated along the WS end anyways. (DWR Sutter Yard- AFreitag)11/15/2016 Abandoned. Needs cover for the standpipe. (DWR Sutter Yard- AFreitag)5/9/2016 Abandoned pipe. Needs a cover for the standpipe.8/5/2015 Abandoned crossing. Covers need to be made for tops of standpipes to prevent falls.12/8/2014 Same as last inspection.6/11/2014 Same as last inspection.11/19/2013 Same as last inspection.5/29/2013 Same as last inspection. Land owner said pipes are abandoned and no longer used. Covers should be made for top of standpipe to prevent falls. Pipes should be properly abandoned 10/30/2012 Pipe 1/2 filled with soil at slide gate end.

FIELD_STRUCT_DESC: *ABANDONED* 1 of 2: 36-inch drainage pipe through the levee, 11 feet below the crown. Slide gate in a 54-inch corrugated metal riser on the waterside (WS) slope. Concrete "U" headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. Sacramento O&M Manual 516, April 1960 (Station 470+00)]. FS Date: 5/31/2017 1:00:19 PM



Headwall at LS toe.

Thursday, May 31, 2018 11:32

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/14/2018 03/14/2018	Bob Duffey

LM Start	5.56	Rating **	М	Issue No.	908 (cont)		
LM End	5.56	Issue Type +	Ма	Location *			
Category				GPS Latitude/Longitude			
Calegory			Start		End		
Item	DWR UCI	P LMA Respo	onsibility	39.6245	59°	39.624559 °	
item				-121.77214	41 °	-121.772141 °	
DWR ID							
Comment Code							

Inspector Comment

FS_ID:51955 DS_ID:1620 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 5/15/2017 Abandoned and needs to be done properly. A sink hole formed in the WS toe road and revealed the location of the WS pipe end. Sink hole will ned to be repaired before the next high water season but the pipe has been selected to be internally cleaned and camera inspected as part of the DMP project so it will have needed to be excavated along the WS end anyways. (DWR Sutter Yard- AFreitag)11/15/2016 Abandoned. Needs cover for the standpipe. (DWR Sutter Yard- AFreitag)5/9/2016 Abandoned pipe. Needs a cover for the standpipe.8/5/2015 Abandoned crossing. Covers need to be made for tops of standpipes to prevent falls.12/8/2014 Same as last inspection.6/11/2014 Same as last inspection.11/19/2013 Same as last inspection.5/29/2013 Same as last inspection. Land owner said pipes are abandoned and no longer used. Covers should be made for top of standpipe to prevent falls. Pipes should be properly abandoned 10/30/2012 Pipe 1/2 filled with soil at slide gate end.

FIELD_STRUCT_DESC: *ABANDONED* 1 of 2: 36-inch drainage pipe through the levee, 11 feet below the crown. Slide gate in a 54-inch corrugated metal riser on the waterside (WS) slope. Concrete "U" headwall on the landside (LS). [Additional Reference(s): DWR Levee Log, 1990. Sacramento O&M Manual 516, April 1960 (Station 470+00)]. FS Date: 5/31/2017 1:00:19 PM

Photo 2 of 2: UCIP_SP_2018_51955_67940.jpg



54-inch CMP riser and slide gate on WS shoulder.

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy

Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/14/2018 03/14/2018	Bob Duffey

LM Start	5.81	Rating **	U	Issue No.		56	
LM End	5.81	Issue Type +	Ma	Location * LS		LS	
Catagony	Earthen L	evee		GPS La	atitud	le/Longitude	
Category				Start		End	
Item Erosion / Bank Caving			39.6212	61°	39.621261 °		
			-121.7739	73 °	-121.773973 °		
DWR ID DWR_MA0005_01_f _ 2016_56							
		Comn	nent Cod	le			
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spe	ction.	
		Inspecto	or Comm	nent			

18/04/2018

Photo 1 of 2: SP_2018_MA0005_196_56_20180305_00029.jpg

View of the landside toe erosion.

 LM Start
 5.81
 Rating **
 U
 Issue No.
 56 (cont)

 LM End
 5.81
 Issue Type +
 Ma
 Location *
 LS

Photo 2 of 2: SP_2018_MA0005_196_56_20180305_00030.jpg



Another view of the landside toe erosion.

-							
LM Start	6.33	Rating **	Α	Issue No.		65	
LM End	6.33	Issue Type +	Ma	Location *	LS		
Earthen Levee			GPS La	atitud	e/Longitude		
Category			Start		End		
ltem Vegetation			39.6142	287°	39.614287 °		
				-121.777978 °		-121.777978°	
DWR ID DWR_MA0005_01_s _ 2018_65							
		Comn	nent Cod	le			
V1 : Contre		grass and wee	eds on th	e levee slo	pes a	and	
		Inspecto	or Comm	nent			
There is no	ative grass	ses on both slo	opes.				



View of the native grasses on both slopes.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/14/2018 03/14/2018	Bob Duffey

LM Start	7.08	Rating **	М	Issue No.	57		
LM End	7.08	Issue Type +	Ma	Location *	LS		
Earthen Levee				GPS La	atitud	le/Longitude	
Category				Start		End	
Item Erosion / Bank Caving			39.6043	57°	39.604357 °		
			-121.783665 °		-121.783665 °		
DWR ID DWR_MA0005_01_f _ 2016_57							
		Comn	nent Cod	le			
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spec	ction.	
		Inspecto	or Comm	nent			



View of the landside slope erosion.

LM Start	7.58	Rating **	М	Issue No.		910	
LM End	7.58	Issue Type +	Ма	Location *			
Category	Suppleme	GPS Latitude/Longitude					
Calegory		Start		End			
DWR UCIP LMA Responsibility			39.597725°		39.597725	0	
iteiii		-121.787257 °		-121.787257			
DWR ID							

Comment Code

Inspector Comment

FS_ID:51970 DS_ID:1628 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 5/16/2017 LS inlet is almostc ompletely buried. Nothing visible on the WS. Pipe has been selected to be internally cleaned and inspected as part of the DMP poject. (DWR Sutter Yard-AFreitag)11/15/2016 Appears abandoned and should be done so properly. (DWR Sutter Yard-AFreitag)5/11/2016 Possibly an abandoned crossing. LS inlet was over 50% buried and nothing was found on the WS.8/4/2015 LS pipe end filled about 50% with soil and WS pipe end is buried.12/8/2014 Same as last

inspection.6/11/2014 Same as last inspection.11/19/2013 Same as last inspection.5/29/2013 Same as last inspection.10/30/2012 Pipe filled with soil and outlet/appurtances are burried.

FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal drainage pipe through the levee, 8.5 feet below the crown. Flap gate on the waterside (WS). Concrete ""U"" shaped headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 515, April 1955, (Station 576+72). USACE As-Built Drawing No. 50-4-2637, Exhibit B, Sheet 2, April 1950, (Station 576+72.4)].

FS Date: 5/31/2017 1:58:05 PM

Photo 1 of 2: UCIP_SP_2018_51970_67970.jpg



Headwall at LS toe.

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS : Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/14/2018 03/14/2018	Bob Duffey

LM Start	7.58	Rating **	М	Issue No.		910 (cont)	
LM End	7.58	Issue Type +	Ma	Location *			
Category	Suppleme		GPS Latitude/Longitude				
Calegory						End	
Item	DWR UCI	IP LMA Respo	onsibility	39.5977	25 °	39.597725 °	
пеш				-121.787257 °		-121.787257 °	
DWR ID							
	Comment Code						

Inspector Comment

FS_ID:51970 DS ID:1628 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 5/16/2017 LS inlet is almostc ompletely buried. Nothing visible on the WS. Pipe has been selected to be internally cleaned and inspected as part of the DMP poject. (DWR Sutter Yard-AFreitag)11/15/2016 Appears abandoned and should be done so properly. (DWR Sutter Yard- AFreitag)5/11/2016 Possibly an abandoned crossing. LS inlet was over 50% buried and nothing was found on the WS.8/4/2015 LS pipe end filled about 50% with soil and WS pipe end is buried.12/8/2014 Same as last inspection.6/11/2014 Same as last inspection.11/19/2013 Same as last inspection.5/29/2013 Same as last inspection.10/30/2012 Pipe

filled with soil and outlet/appurtances are burried. FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal drainage pipe through the levee, 8.5 feet below the crown. Flap gate on

the waterside (WS). Concrete ""U"" shaped headwall on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 515, April 1955, (Station 576+72). USACE As-Built Drawing No. 50-4-2637, Exhibit B, Sheet 2, April 1950, (Station 576+72.4)].

FS Date: 5/31/2017 1:58:05 PM

Photo 2 of 2: UCIP_SP_2018_51970_67969.jpg



Headwall at LS toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/14/2018 03/14/2018	Bob Duffey

	_							
LM Start	7.70	Rating **	A/W	Issue No.		72		
LM End	7.70	Issue Type +	Ma	Location *				
Category	Suppleme	ental		GPS La	atitud	le/Longitude		
Category				Start		End		
Item	2017 Stor	m Damage		39.5960	76°	39.596076°		
Item				-121.7881	23 °	-121.788123°		
DWR ID	DWR_MA0	005_01_f _ 201	7_72					
Comment Code								
		Inspecto	or Comm	nent				
Description Site ID No Site Desig Repair Typ Rating:Are Field Date	Inspector Comment Levee Evaluation Comments Description: Site ID No:225 Site Designation:MA5-02 Repair Type: Erosion Rating:Area of Concern Field Date:6/8/2017 Notes: Total length is 108 ft.							

No Photos

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/14/2018 03/14/2018	Bob Duffey

LM Start	8.21	Rating **	М	Issue No.		911
LM End	8.21	Issue Type +	Ма	Location *		
Category	Suppleme	ental		GPS La	tituc	le/Longitude
Calegory	TY .			Start		End
Item	DWR UCI	P LMA Respo	onsibility	39.58975	51 °	39.589751 °
пеш				-121.79281	18°	-121.792818 °
DWR ID						

Comment Code

Inspector Comment

FS_ID:51972 DS_ID:1629 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 5/16/2017 LS inlet is half blocked off by flash boards and sediment. WS flap gate is blocked closed by sediment. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard- AFreitag)11/15/2016 LS inlet was unburied and entire pipe is about 25% full of soil. WS flapgate was shut and partially buried. (DWR Sutter Yard- AFreitag)5/11/2016 WS flap gate was about 50% buried and LS was 100% buried. Appears to be an abandoned crossing.8/4/2015 WS flap gate is partially buried by soil and being overgrown with vegetation. LS pipe end was underwater and suspected to still be completely buried with soil.12/8/2014 Same as last inspection.6/11/2014 Same as last inspection.11/19/2013 Same as last inspection.10/30/2012 Pipe filled with soil.

FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 9.3 feet below the crown. Flap gate on the waterside (WS). Concrete headwalls at the landside (LS) and the WS toes. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 515, April 1955, (Station 609+79). USACE As-Built Drawing No. 50-4-2637, Exhibit B, Sheet 3, April 1950, (Station 609+78.5)].

FS Date: 5/31/2017 1:59:10 PM

LM Start	8.21	Rating **	М	Issue No.	911 (cont)
LM End	8.21	Issue Type +	Ma	Location *	

Photo 1 of 3: UCIP_SP_2018_51972_67973.jpg



Outlet at WS toe.

Photo 2 of 3: UCIP_SP_2018_51972_67972.jpg



Buried inlet at LS toe.

* Location		+ Issue Type	
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/14/2018 03/14/2018	Bob Duffey

LM Start	8.21	Rating **	М	Issue No.	911 (cont)			
LM End	8.21	Issue Type +	Ma	Location *				
Category	Supplemental				GPS Latitude/Longitude			
Calegory						End		
Item	DWR UC	IP LMA Respo	onsibility	39.5897	51 °	39.589751 °		
пеш				-121.7928	18°	-121.792818 °		
DWR ID								
	Comment Code							

Inspector Comment

FS_ID:51972 DS_ID:1629 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 5/16/2017 LS inlet is half blocked off by flash boards and sediment. WS flap gate is blocked closed by sediment. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard- AFreitag)11/15/2016 LS inlet was unburied and entire pipe is about 25% full of soil. WS flapgate was shut and partially buried. (DWR Sutter Yard- AFreitag)5/11/2016 WS flap gate was about 50% buried and LS was 100% buried. Appears to be an abandoned crossing.8/4/2015 WS flap gate is partially buried by soil and being overgrown with vegetation. LS pipe end was underwater and suspected to still be completely buried with soil.12/8/2014 Same as last inspection.6/11/2014 Same as last inspection.11/19/2013 Same as last inspection.5/29/2013 Same as last inspection.10/30/2012 Pipe filled with soil.

FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 9.3 feet below the crown. Flap gate on the waterside (WS). Concrete headwalls at the landside (LS) and the WS toes. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 515, April 1955, (Station 609+79). USACE As-Built Drawing No. 50-4-2637, Exhibit B, Sheet 3, April 1950, (Station 609+78.5)].

FS Date: 5/31/2017 1:59:10 PM



Flap gate at WS toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/14/2018 03/14/2018	Bob Duffey

LM Start	9.52	Rating **	A/W	Issue No.		913	
LM End	9.52	Issue Type +	Ма	Location *			
Catagony	Category Supplemental			GPS Latitude/Longitude			
Calegory				Start		End	
Item	DWR UCIP LMA Responsibility			39.5750	72 °	39.575072°	
пеш				-121.8078	05 °	-121.807805 °	
DWR ID							

Comment Code

Inspector Comment

FS_ID:51976 DS_ID:1775 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 5/16/2017 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)11/15/2016 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)5/11/2016 Crossing appears to be in good condition.8/4/2015 Crossing is in good condition. No noticeable issues to report.12/8/2014 Same as last inspection.6/11/2014 Same as last inspection.11/19/2013 Same as last inspection.5/29/2013 Flap gates were removed by DWR Sutter Maintenance Yard to allow water to flow freely through crossing and not back up in ditch.10/30/2012 Seems there should be flap gates on this structure.

FIELD_STRUCT_DESC: [Robert's Creek Outlet Structure] 1 of 4: 66-inch corrugated metal drainage pipe through the levee, 17.9 feet below the crown. Concrete headwalls on the landside (LS) and the waterside (WS). [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 515, April 1955, (Station 678+00). USACE As-Built Drawing No. 50-4-2637, Exhibit B, Sheet 3, April 1950, (Station 678+00)].

FS Date: 5/31/2017 2:10:41 PM

LM Start	9.52	Rating **	A/W	Issue No.	913 (cont)
I M End	9.52	Issue Type +	Ma	Location *	,

Photo 1 of 2 : UCIP_SP_2018_51976_67979.jpg



WS of pipe crossing

Photo 2 of 2: UCIP_SP_2018_51976_67978.jpg



LS of pipe crossing.

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/14/2018 03/14/2018	Bob Duffey

LM Start	9.52	Rating **	A/W	Issue No.		914	
LM End	9.52	Issue Type +	Ма	Location *			
Category	Supplemental			GPS Latitude/Longitude			
Category				Start		End	
Item	DWR UCIP LMA Responsibility			39.57503	6°	39.575036°	
пеш				-121.80780	7°	-121.807807 °	
DWR ID							

Comment Code

Inspector Comment

FS_ID:51977 DS_ID:1774 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 5/16/2017 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)11/15/2016 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)5/11/2016 Crossing appears to be in good condition.8/4/2015 Crossing is in good condition. No noticeable issues to report.12/8/2014 Same as last inspection.6/11/2014 Same as last inspection.11/19/2013 Same as last inspection.5/29/2013 Flap gates were removed by DWR Sutter Maintenance Yard to allow water to flow freely through crossing and not back up in ditch.10/30/2012 Seems there should be flap gates on this structure.

FIELD_STRUCT_DESC: [Robert's Creek Outlet Structure] 2 of 4: 66-inch corrugated metal drainage pipe through the levee, 17.9 feet below the crown. Concrete headwalls on the landside (LS) and the waterside (WS). [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 515, April 1955, (Station 678+00). USACE As-Built Drawing No. 50-4-2637, Exhibit B, Sheet 3, April 1950, (Station 678+00)].

FS Date: 5/31/2017 2:12:05 PM

LM Start	9.52	Rating **	A/W	Issue No.	914 (cont)
I M End	9.52	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_SP_2018_51977_67981.jpg



WS of crossing

Photo 2 of 2: UCIP_SP_2018_51977_67980.jpg



LS of crossing.

Location Rating Issue Type LS: Land Side N/A: Not Applicable Ma: Maintenance Deficiancy N: Not Inspected/Rated A : Acceptable Minimally Acceptable WS: Water Side C: Corrected Ob: Design & System Obsolescence CR: Crown U: Unacceptable A/W: Acceptable but Monitor & Maintain En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/14/2018 03/14/2018	Bob Duffey

LM Start	9.52	Rating **	A/W	Issue No.		915
LM End	9.52	Issue Type +	Ma	Location *		
Catagony	Category Supplemental			GPS Latitude/Longitude		
Calegory				Start		End
Item	DWR UCIP LMA Responsibility			39.5750	00°	39.575000°
пеш				-121.8078	° 80	-121.807808 °
DWR ID						

Comment Code

Inspector Comment

FS_ID:51978 DS_ID:1632 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 5/16/2017 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)11/15/2016 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)5/11/2016 Crossing appears to be in good condition.8/4/2015 Crossing appears in good condition. No noticeable issues to report.12/8/2014 Same as last inspection.6/11/2014 Same as last inspection.11/19/2013 Same as last inspection.5/29/2013 Flap gates were removed by DWR Sutter Maintenance Yard to allow water to flow freely through crossing and not back up in ditch.10/30/2012 Seems there should be flap gates on this structure.

FIELD_STRUCT_DESC: [Robert's Creek Outlet Structure] 3 of 4: 66-inch corrugated metal drainage pipe through the levee, 17.9 feet below the crown. Concrete headwalls on the landside (LS) and the waterside (WS). [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 515, April 1955, (Station 678+00). USACE As-Built Drawing No. 50-4-2637, Exhibit B, Sheet 3, April 1950, (Station 678+00)].

FS Date: 5/31/2017 2:13:48 PM

LM Start	9.52	Rating **	A/W	Issue No.	915 (cont)
LM End	9.52	Issue Type +	Ma	Location *	(,



Photo 1 of 2: UCIP_SP_2018_51978_67982.jpg

WS of crossing

Photo 2 of 2: UCIP_SP_2018_51978_67983.jpg



LS of crossing.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/14/2018 03/14/2018	Bob Duffey

LM Start	9.52	Rating **	A/W	Issue No.		916	
LM End	9.52	Issue Type +	Ма	Location *			
Catagony	Category Supplemental			GPS Latitude/Longitude			
Calegory				Start		End	
Item	DWR UCIP LMA Responsibility			39.5749	64°	39.574964°	
пеш				-121.8078	10°	-121.807810 °	
DWR ID							

Comment Code

Inspector Comment

FS_ID:51979 DS_ID:1773 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 5/16/2017 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)11/15/2016 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)5/11/2016 Crossing appears to be in good condition.8/4/2015 Crossing appears in good condition. No noticeable issues to report.12/8/2014 Same as last inspection.6/11/2014 Same as last inspection.11/19/2013 Same as last inspection.5/29/2013 Flap gates were removed by DWR Sutter Maintenance Yard to allow water to flow freely through crossing and not back up in ditch.10/30/2012 Seems there should be flap gates on this structure.

FIELD_STRUCT_DESC: [Robert's Creek Outlet Structure] 4 of 4: 66-inch corrugated metal drainage pipe through the levee, 17.9 feet below the crown. Concrete headwalls on the landside (LS) and the waterside (WS). [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 515, April 1955, (Station 678+00). USACE As-Built Drawing No. 50-4-2637, Exhibit B, Sheet 3, April 1950, (Station 678+00)].

FS Date: 5/31/2017 2:14:38 PM

LM Start	9.52	Rating **	A/W	Issue No.	916 (cont)
I M End	9.52	Issue Type +	Ma	Location *	

Photo 1 of 2 : UCIP_SP_2018_51979_67985.jpg



WS of crossing

Photo 2 of 2: UCIP_SP_2018_51979_67984.jpg



LS of crossing.

Location Rating Issue Type LS: Land Side N/A: Not Applicable Ma: Maintenance Deficiancy N: Not Inspected/Rated A : Acceptable Minimally Acceptable WS: Water Side C: Corrected Ob: Design & System Obsolescence CR: Crown U: Unacceptable A/W: Acceptable but Monitor & Maintain En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/14/2018 03/14/2018	Bob Duffey

LM Start	10.84	Rating **	М	Issue No.	919		
LM End	10.84	Issue Type +	Ма	Location *			
Supplemental				GPS Latitude/Longitude			
Calegory	tegory					End	
Item	DWR UC	IP LMA Respo	onsibility	39.5625	59°	39.562559°	
пеш				-121.8258	° 80	-121.825808 °	
DWR ID							
	Comment Code						

Inspector Comment

FS_ID:51982 DS_ID:1635 EP_NO: N/A

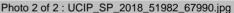
Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 5/16/2017 Abandoned- needs to be done so properly. (DWR Sutter Yard- AFreitag)11/15/2016 Abandoned. (DWR Sutter Yard- AFreitag)5/11/2016 Abandoned crossing.8/4/2015 Abandoned pipe. Casey Wilder has started the steps to have the pipe properly abandoned and removed from the levee.12/8/2014 Same as last inspection.6/11/2014 Same as last inspection.11/19/2013 Same as last inspection.5/29/2013 Same as last inspection.10/30/2012 Pipe buried on both sides of levee. FIELD_STRUCT_DESC: *ABANDONED* 30-inch corrugated metal drainage pipe through the levee, 12.2 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 515, April 1955, (Station 748+53). USACE As-Built Drawing No. 50-4-2637, Exhibit B, Sheet 4, April 1950, (Station 748+53)]. FS Date: 5/31/2017 2:18:08 PM

LM Start	10.84	Rating **	М	Issue No.	919 (cont)
LM End	10.84	Issue Type +	Ma	Location *	



Concrete headwall at LS toe.





Concrete headwall at LS toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/14/2018 03/14/2018	Bob Duffey

LM Start	10.87	Rating **	M	Issue No.		67
LM End	10.87	Issue Type +	Ма	Location *		WS
Catagony	Earthen L	evee		GPS La	atitud	e/Longitude
Category				Start		End
Item	Slope Sta	bility		39.5621	77 °	39.562177°
пеш				-121.8260	72°	-121.826072 °
DWR ID	DWR_MA0	005_01_s _ 201	7_67			·
		Comn	nent Cod	le		
S1 : Repai	r slope ins	tability.				
		Inspecto	or Comm	nent		
Repair the erosion along the water side slope.						

Photo 1 of 1 : S	SP_2018_MA0005	_196_67_2018	30305_00032.jpg	g
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
Market A				
A				
			05/02/2017	
1			1.	

View of erosion along the waterside slope.

LM Start	11.36	Rating **	A/W	Issue No.		921
LM End	11.36	Issue Type +	Ма	Location *		
Category	Supplemental Supplemental			GPS Latitude/Longitude		
Calegory				Start		End
Item	DWR UC	IP LMA Respo	nsibility	39.55674	1°	39.556741 °
пеш			-121.83207	1°	-121.832071 °	
DWR ID						·

Comment Code

Inspector Comment

FS_ID:51990 DS_ID:1636 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 5/16/2017 Crossing appears to be in good condition. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard-AFreitag)11/15/2016 Crossing appears to be in good condition. (DWR Sutter Yard-AFreitag)5/11/2016 Crossing appears to be in good condition.8/4/2015 Crossing appears in good condition. No noticeable issues to report.6/11/2014 Same as last inspection.11/19/2013 Same as last inspection.5/29/2013 Same as last inspection.

FIELD_STRUCT_DESC: 1 of 4: 54-inch corrugated metal drainage pipe through the levee, 13.5 feet below the crown. Flap gate on the waterside (WS). Concrete headwalls on the landside (LS) and the WS toes. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 515, April 1955, (Station 25+18""A""). USACE As-Built Drawing No. 50-4-2637, Exhibit B, Sheet 4, April 1950, (Station 25+18""A"")].

FS Date: 5/31/2017 2:25:00 PM

Photo 1 of 2: UCIP_SP_2018_51990_68007.jpg



WS headwall and flap gates at WS toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/14/2018 03/14/2018	Bob Duffey

LM Start	11.36	Rating **	A/W	Issue No.	921 (cont)		
LM End	11.36	Issue Type +	Ма	Location *			
Category	Suppleme	ental	GPS Latitude/Longitude				
Calegory						End	
Item	DWR UC	IP LMA Respo	nsibility	39.55674	1°	39.556741	0
item				-121.83207 ⁻	1 °	-121.832071	0
DWR ID							
	Comment Code						

Inspector Comment

FS_ID:51990 DS_ID:1636 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 5/16/2017 Crossing appears to be in good condition. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard-AFreitag)11/15/2016 Crossing appears to be in good condition. (DWR Sutter Yard-AFreitag)5/11/2016 Crossing appears to be in good condition.8/4/2015 Crossing appears in good condition. No noticeable issues to report.6/11/2014 Same as last inspection.11/19/2013 Same as last inspection.5/29/2013 Same as last inspection.

FIELD_STRUCT_DESC: 1 of 4: 54-inch corrugated metal drainage pipe through the levee, 13.5 feet below the crown. Flap gate on the waterside (WS). Concrete headwalls on the landside (LS) and the WS toes. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 515, April 1955, (Station 25+18""A""). USACE As-Built Drawing No. 50-4-2637, Exhibit B, Sheet 4, April 1950, (Station 25+18""A"")].

FS Date: 5/31/2017 2:25:00 PM



LS intake headwall.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/14/2018 03/14/2018	Bob Duffey

LM Start	11.36	Rating **	A/W	Issue No.		922
LM End	11.36	Issue Type +	Ма	Location *		
Category	Supplemental			GPS La	tituc	le/Longitude
Calegory				Start		End
Item	DWR UCI	P LMA Respo	onsibility	39.5567	16°	39.556716°
пеш					97 °	-121.832097 °
DWR ID						

Comment Code

Inspector Comment

FS_ID:51991 DS_ID:1782 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 5/16/2017 Crossing appears to be in good condition. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard-AFreitag)11/15/2016 Crossing appears to be in good condition. (DWR Sutter Yard-AFreitag)5/11/2016 Crossing appears to be in good condition.8/4/2015 Crossing appears in good condition. No noticeable issues to report.6/11/2014 Same as last inspection.11/19/2013 Same as last inspection.5/29/2013 Same as last inspection.

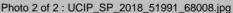
FIELD_STRUCT_DESC: 2 of 4: 54-inch corrugated metal drainage pipe through the levee, 13.5 feet below the crown. Flap gate on the waterside (WS). Concrete headwalls on the landside (LS) and the WS toes. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 515, April 1955, (Station 28+18""A""). USACE As-Built Drawing No. 50-4-2637, Exhibit B, Sheet 4, April 1950, (Station 25+18""A"")].

FS Date: 5/31/2017 2:31:05 PM

LM Start	11.36	Rating **	A/W	Issue No.	922 (cont)
LM End	11.36	Issue Type +	Ma	Location *	



Headwall and flap gates at WS toe.





Headwall at LS toe.

Location Rating Issue Type LS : Land Side Ma: Maintenance Deficiancy N/A: Not Applicable N: Not Inspected/Rated A : Acceptable Minimally Acceptable Ob: Design & System Obsolescence WS: Water Side C: Corrected CR: Crown U: Unacceptable A/W: Acceptable but Monitor & Maintain En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/14/2018 03/14/2018	Bob Duffey

LM Start	11.37	Rating **	A/W	Issue No.		923
LM End	11.37	Issue Type +	Ma	Location *		
Category	Suppleme	ental		GPS La	tituc	le/Longitude
Calegory			Start		End	
Item	DWR UC	IP LMA Respo	onsibility	39.55669	93 °	39.556693°
пеш				-121.8321	19°	-121.832119 °
DWR ID						

Comment Code

Inspector Comment

FS_ID:51992 DS_ID:1783 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 5/16/2017 Crossing appears to be in good condition. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard-AFreitag)11/15/2016 Crossing appears to be in good condition. (DWR Sutter Yard-AFreitag)5/11/2016 Crossing appears to be in good condition.8/4/2015 Crossing appears in good condition. No noticeable issues to report.6/11/2014 Same as last inspection.11/19/2013 Same as last inspection.5/29/2013 Same as last inspection.

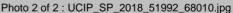
FIELD_STRUCT_DESC: 3 of 4: 54-inch corrugated metal drainage pipe through the levee, 13.5 feet below the crown. Flap gate on the waterside (WS). Concrete headwalls on the landside (LS) and the WS toes. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 515, April 1955, (Station 28+18""A""). USACE As-Built Drawing No. 50-4-2637, Exhibit B, Sheet 4, April 1950, (Station 25+18""A"")].

FS Date: 5/31/2017 2:32:13 PM

LM Start	11.37	Rating **	A/W	Issue No.	923 (cont)
LM End	11.37	Issue Type +	Ma	Location *	



Headwall and flap gates at WS toe.





Headwall on LS toe.

Location Rating Issue Type LS : Land Side Ma: Maintenance Deficiancy N/A: Not Applicable N: Not Inspected/Rated A : Acceptable Minimally Acceptable Ob: Design & System Obsolescence WS: Water Side C: Corrected CR: Crown U: Unacceptable A/W: Acceptable but Monitor & Maintain En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/14/2018 03/14/2018	Bob Duffey

LM Start	11.37	Rating **	A/W	Issue No.		924
LM End	11.37	Issue Type +	Ма	Location *		
Category	Suppleme	ental		GPS La	tituc	le/Longitude
Calegory			Start		End	
Item	DWR UC	IP LMA Respo	39.55668	31 °	39.556681 °	
пеш				-121.83213	30°	-121.832130 °
DWR ID						

Comment Code

Inspector Comment

FS_ID:51993 DS_ID:1784 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 5/16/2017 Crossing appears to be in good condition. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard-AFreitag)11/15/2016 Crossing appears to be in good condition. (DWR Sutter Yard-AFreitag)5/11/2016 Crossing appears to be in good condition.8/4/2015 Crossing appears in good condition. No noticeable issues to report.6/11/2014 Same as last inspection.11/19/2013 Same as last inspection.

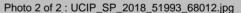
FIELD_STRUCT_DESC: 4 of 4: 54-inch corrugated metal drainage pipe through the levee, 13.5 feet below the crown. Flap gate on the waterside (WS). Concrete headwalls on the landside (LS) and the WS toes. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 515, April 1955, (Station 28+18""A""). USACE As-Built Drawing No. 50-4-2637, Exhibit B, Sheet 4, April 1950, (Station 25+18""A"")].

FS Date: 5/31/2017 2:32:54 PM

LM Start	11.37	Rating **	A/W	Issue No.	924 (cont)
LM End	11.37	Issue Type +	Ma	Location *	



Headwall and flap gates at WS toe.





Headwall on LS toe.

Location Rating Issue Type LS : Land Side Ma: Maintenance Deficiancy N/A: Not Applicable N: Not Inspected/Rated A : Acceptable Minimally Acceptable Ob: Design & System Obsolescence WS: Water Side C: Corrected CR: Crown U: Unacceptable A/W: Acceptable but Monitor & Maintain En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/14/2018 03/14/2018	Bob Duffey

LM Start	11.80	Rating **	A/W	Issue No.		925
LM End	11.80	Issue Type +	Ма	Location *		
Category	Supplemental			GPS Latitude/Longitude		
Calegory				Start		End
Item	DWR UC	IP LMA Respo	onsibility	39.5517	57°	39.551757 °
пеш					52 °	-121.837252 °
DWR ID						

Comment Code

Inspector Comment

FS_ID:51994 DS_ID:1637 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 11/15/2016 Old pipe at Nelson Road-Replaced by DS_ID 25461. (DWR Sutter Yard- AFreitag)6/22/2016 Pipe removed in 2013 and replaced with new 30-inch pipe (SEE DS_ID 25461). New pipe is inspected under DS_ID 25461. This DS_ID 1637 is no longer in use, pipe has been removed. (DWR UCIP - Olivia M.)7/30/2013 Repaired June 20135/29/2013 Pipe was video inspected and it was determined it needs full replacement. Replacement construction is scheduled to begin in the week of 6/3/2013.10/31/2012 Pipe is totally corroded through on WS toe and flap gate is missing. Pipe likely requires total replacement.

FIELD_STRUCT_DESC: *REMOVED* 30-inch corrugated metal drainage pipe through the levee, 15 feet below the crown. Flap gate on the waterside (WS). Concrete headwalls on the landside (LS) and the WS toes. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 515, April 1955, (Station 835+21). USACE As-Built Drawing No. 50-4-2637, Exhibit B, Sheet 4, April 1950, (Station 835+20.96)].

FS Date: 5/31/2017 2:33:29 PM

LM Start	11.80	Rating **	A/W	Issue No.	925 (cont)
I M End	11.80	Issue Type +	Ma	Location *	



Drainage canal on LS toe.

Photo 2 of 3: UCIP_SP_2018_51994_68016.jpg



Concrete headwall on LS toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/14/2018 03/14/2018	Bob Duffey

LM Start	11.80	Rating **	A/W	Issue No.		925 (cont)	
LM End	11.80	Issue Type +	Ма	Location *			
Category	Supplemental			GPS Latitude/Longitude			
Calegory			Start		End		
Item	DWR UC	P LMA Respo	39.5517	57°	39.551757 °		
пеш				-121.8372	52 °	-121.837252°	
DWR ID							

Comment Code

Inspector Comment

FS_ID:51994 DS_ID:1637 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 11/15/2016 Old pipe at Nelson Road-Replaced by DS_ID 25461. (DWR Sutter Yard- AFreitag)6/22/2016 Pipe removed in 2013 and replaced with new 30-inch pipe (SEE DS_ID 25461). New pipe is inspected under DS_ID 25461. This DS_ID 1637 is no longer in use, pipe has been removed. (DWR UCIP - Olivia M.)7/30/2013 Repaired June 20135/29/2013 Pipe was video inspected and it was determined it needs full replacement. Replacement construction is scheduled to begin in the week of 6/3/2013.10/31/2012 Pipe is totally corroded through on WS toe and flap gate is missing. Pipe likely requires total replacement.

FIELD_STRUCT_DESC: *REMOVED* 30-inch corrugated metal drainage pipe through the levee, 15 feet below the crown. Flap gate on the waterside (WS). Concrete headwalls on the landside (LS) and the WS toes. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 515, April 1955, (Station 835+21). USACE As-Built Drawing No. 50-4-2637, Exhibit B, Sheet 4, April 1950, (Station 835+20.96)].

FS Date: 5/31/2017 2:33:29 PM



Heavily corroded CMP pipe at WS toe.

LM Start	13.69	Rating **	М	Issue No.		69	
LM End	13.69	Issue Type +	Ма	Location *	WS		
Category	Catagori Earthen Levee			GPS Latitude/Longitude			
Calegory	Calegory			Start		End	
Item	Erosion /	Bank Caving		39.531032°		39.531032	0
пеш				-121.8569	77 °	-121.856977	0
DWR ID	DWR_MA0	005_01_s _ 201	7_69				
		_	_				

Comment Code

E2: Schedule repair of erosion site prior to the next inspection.

Inspector Comment

Repair the erosion along the landside slope and toe.

Photo 1 of 1: SP_2018_MA0005_196_69_20180305_00034.jpg



Repair the erosion along the landside slope and toe.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/14/2018 03/14/2018	Bob Duffey

LM Start	14.46	Rating **	М	Issue No.		927
LM End	14.46	Issue Type +	Ma	Location *		
Category	Suppleme	ental		GPS La	titud	le/Longitude
Calegory	Category			Start		End
Item	DWR UC	IP LMA Respo	onsibility	39.52220	00°	39.522200°
пеш	item		-121.86559	92 °	-121.865592 °	
DWR ID						

Comment Code

Inspector Comment

FS_ID:51999 DS ID:1639 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 5/16/2017 Soil still eroded away from the WS wing walls. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard- AFreitag)11/15/2016 No. soil supporting the WS wing walls. (DWR Sutter Yard-

AFreitag)5/11/2016 Still no soil supporting the WS wing walls and apron. WS vegetation was thinner and not a problem this time.8/4/2015 No soil supporting the WS wing walls at the WS pipe end. WS pipe end is also being overgrown with vegetation and should be cleared back.6/11/2014 Same as last inspection.11/19/2013 Same as last inspection.5/29/2013 Same as last

inspection.10/31/2012 Soil under Concrete wing walls on WS toe has been eroded. No soil supporting wing walls.

FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 13 feet below the crown. Flap gate on the waterside (WS). Concrete headwalls on the landside (LS) and the WS ends.

[Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 515, April 1955, (Station 978+25). USACE As-Built Drawing No. 50-4-2637, Exhibit B, Sheet 5, April 1950, (Station 978+24.95)].

FS Date: 5/31/2017 2:39:05 PM

LM Start	t 14.46 Rating **		М	Issue No.	927 (cont)
LM End	14.46	Issue Type +	Ma	Location *	

Photo 1 of 3: UCIP_SP_2018_51999_68033.jpg



Headwall at inlet on LS toe.

Photo 2 of 3: UCIP_SP_2018_51999_68032.jpg



CMP pipe, flap gate, and headwall on WS toe.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/14/2018 03/14/2018	Bob Duffey

LM Start	14.46	Rating **	М	Issue No.		927 (cont)		
LM End	14.46	Issue Type +	Ma	Location *				
Category	Supplemental			GPS Latitude/Longitude				
Calegory	Calegory			Start		End		
Item	DWR UCI	P LMA Respo	onsibility	39.52220	00°	39.522200 °		
item		-121.8655	92 °	-121.865592 °				
DWR ID								

Comment Code

Inspector Comment

FS_ID:51999 DS_ID:1639 EP_NO: N/A Repair Type: Nor

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 5/16/2017 Soil still eroded away from the WS wing walls. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard- AFreitag)11/15/2016 No soil supporting the WS wing walls. (DWR Sutter Yard-

AFreitag)5/11/2016 Still no soil supporting the WS wing walls and apron. WS vegetation was thinner and not a problem this time.8/4/2015 No soil supporting the WS wing walls at the WS pipe end. WS pipe end is also being overgrown with vegetation and should be cleared back.6/11/2014 Same as last inspection.11/19/2013 Same as last inspection.5/29/2013 Same as last

inspection.10/31/2012 Soil under Concrete wing walls on WS toe has been eroded. No soil supporting wing walls.

FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 13 feet below the crown. Flap gate on the waterside (WS). Concrete headwalls on the landside (LS) and the WS ends. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 515, April 1955, (Station 978+25). USACE As-Built Drawing No. 50-4-2637, Exhibit B, Sheet 5, April 1950, (Station 978+24.95)].

FS Date: 5/31/2017 2:39:05 PM

Photo 3 of 3 : UCIP_SP_2018_51999_68031.jpg

Wingwalls of headwall not supported by soil.

LM Start	14.50	Rating **	С	Issue No.		68	
LM End	15.07	Issue Type +	Ма	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Category			Start		End		
Item	Erosion /	Bank Caving		39.5218	52°	39.515597	0
пеш				-121.8661	83°	-121.873198	0
DWR ID	DWR_MAG	005_01_s _ 201	7_68				

Comment Code

E2: Schedule repair of erosion site prior to the next inspection.

Inspector Comment

The erosion was repaired along the waterside toe.

No Photos

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Butte Creek	Left	15.08	03/14/2018 03/14/2018	Bob Duffey

N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/14/2018 03/14/2018	Bob Duffey

LM Start	1.60	Rating **	М	Issue No.		69	
LM End	1.60	Issue Type +	Ma	Location *	WS		
Cotogony	Earthen Levee			GPS Latitude/Longitude			
Category				Start		End	
Item	Encroachments			39.534170°		39.534170°	
пеш			-121.856853 °		-121.856853 °		
DWR ID	DWR_MA0005_02_s _ 2017_69						
Comment Code							
DE : Debris							
Inspector Comment							
Remove the debris from the waterside toe.							



View of the debris along the waterside toe.

LM Start	1.90	Rating **	М	Issue No.		49	
LM End	1.90	Issue Type +	Ma	Location *	LS		
Category	Earthen Levee			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Erosion / Bank Caving			39.537445 °		39.537445	
item			-121.853112 °		-121.853112 °		
DWR ID	DWR_MA0005_02_f _ 2016_49						
Comment Code							
E2 : Schedule repair of erosion site prior to the next inspection.							
Inspector Comment							
Repair the erosion on the landside toe of the levee.							



View of the landside toe erosion.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/14/2018 03/14/2018	Bob Duffey

LM Start	1.91	Rating **	U	Issue No.	70			
LM End	1.91	Issue Type +	Ма	Location *				
Category	Supplemental			GPS Latitude/Longitude				
Calegory				Start		End		
DWR UCIP LMA Responsibility			39.537455°		39.537455°			
item				-121.853061 °		-121.853061 °		
DWR ID								
Comment Code								

Inspector Comment

FS_ID:52012 DS_ID:1645 EP_NO: N/A Repair Type: Urgent Crossing Status: Found

UCIP Comments: 5/18/2017 LS erosion still present. Ws flap gate has been completely buried by sediment after the high water flows through the area. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard-AFreitag)11/14/2016 LS erosion still present and is into the prism of the levee. WS flap gate was still mostly buried and non-operational. (DWR Sutter Yard- AFreitag)5/23/2016 The tree that was overgrowing the WS flapgate has been removed. Flap gate was half buried and unable to open. Erosion on the LS is still present. (DWR Sutter Yard - afreitag)7/28/2015 LS inlet is underwater but there appears to be erosion behind the LS headwall. WS pipe end and flap gate are conpletely overgrown and inaccessible for inspection. (DWR Sutter Yard - afreitag)11/25/2014 Tree is overgrowing the WS pipe outlet.. Needs to be trimmed back. (DWR Sutter Yard afreitag)6/4/2014 Same as last inspection. (DWR Sutter Yard afreitag)11/12/2013 Same as last inspection. (DWR Sutter Yard afreitag)6/6/2013 Same as last inspection. (DWR Sutter Yard afreitag)10/31/2012 Vegetation needs to be cleared from outlet. (DWR UCIP - wwvlie)

FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 17 feet below the crown. Flap gate on the waterside (WS). Slide gate on the landside (LS) toe. Concrete headwalls at both the LS and the WS toes. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 515, (Station 902+50). USACE As-Built Drawing No. 50-4-2637, Exhibit B, Sheet 5, April 1950, (Station 902+50)].

FS Date: 6/1/2017 9:42:13 AM



Concrete headwall and slide gate on LS toe.

MA0005

Flood Control Project Maintenance Levee Inspections

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/14/2018 03/14/2018	Bob Duffey

LM Start	1.91	Rating **	U	Issue No.	70 (cont)			
LM End	1.91	Issue Type +	Ма	Location *				
Supplemental				GPS La	tituc	le/Longitude		
Calegory	egory					End		
Item	DWR UCI	P LMA Respo	onsibility	39.53745	55 °	39.537455 °		
пеш				-121.85306	61 °	-121.853061 °		
DWR ID								
	Comment Code							

Inspector Comment

FS_ID:52012 DS_ID:1645 EP_NO: N/A Repair Type: Urgent Crossing Status: Found

UCIP Comments: 5/18/2017 LS erosion still present. Ws flap gate has been completely buried by sediment after the high water flows through the area. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard-AFreitag)11/14/2016 LS erosion still present and is into the prism of the levee. WS flap gate was still mostly buried and non-operational. (DWR Sutter Yard- AFreitag)5/23/2016 The tree that was overgrowing the WS flapgate has been removed. Flap gate was half buried and unable to open. Erosion on the LS is still present. (DWR Sutter Yard - afreitag)7/28/2015 LS inlet is underwater but there appears to be erosion behind the LS headwall. WS pipe end and flap gate are conpletely overgrown and inaccessible for inspection. (DWR Sutter Yard - afreitag)11/25/2014 Tree is overgrowing the WS pipe outlet.. Needs to be trimmed back. (DWR Sutter Yard afreitag)6/4/2014 Same as last inspection. (DWR Sutter Yard afreitag)11/12/2013 Same as last inspection. (DWR Sutter Yard afreitag)6/6/2013 Same as last inspection. (DWR Sutter Yard afreitag)10/31/2012 Vegetation needs to be cleared from outlet. (DWR UCIP - wwvlie)

FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 17 feet below the crown. Flap gate on the waterside (WS). Slide gate on the landside (LS) toe. Concrete headwalls at both the LS and the WS toes. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 515, (Station 902+50). USACE As-Built Drawing No. 50-4-2637, Exhibit B, Sheet 5, April 1950, (Station 902+50)].

FS Date: 6/1/2017 9:42:13 AM



Flap gate on WS slope.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/14/2018 03/14/2018	Bob Duffey

LM Start	1.91	Rating **	U	Issue No.	70 (cont)			
LM End	1.91	Issue Type +	Ма	Location *				
Supplemental				GPS La	tituc	le/Longitude		
Calegory	egory					End		
Item	DWR UCI	P LMA Respo	onsibility	39.53745	55 °	39.537455 °		
пеш				-121.85306	61 °	-121.853061 °		
DWR ID								
	Comment Code							

Inspector Comment

FS_ID:52012 DS_ID:1645 EP_NO: N/A Repair Type: Urgent Crossing Status: Found

UCIP Comments: 5/18/2017 LS erosion still present. Ws flap gate has been completely buried by sediment after the high water flows through the area. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard-AFreitag)11/14/2016 LS erosion still present and is into the prism of the levee. WS flap gate was still mostly buried and non-operational. (DWR Sutter Yard- AFreitag)5/23/2016 The tree that was overgrowing the WS flapgate has been removed. Flap gate was half buried and unable to open. Erosion on the LS is still present. (DWR Sutter Yard - afreitag)7/28/2015 LS inlet is underwater but there appears to be erosion behind the LS headwall. WS pipe end and flap gate are conpletely overgrown and inaccessible for inspection. (DWR Sutter Yard - afreitag)11/25/2014 Tree is overgrowing the WS pipe outlet.. Needs to be trimmed back. (DWR Sutter Yard afreitag)6/4/2014 Same as last inspection. (DWR Sutter Yard afreitag)11/12/2013 Same as last inspection. (DWR Sutter Yard afreitag)6/6/2013 Same as last inspection. (DWR Sutter Yard afreitag)10/31/2012 Vegetation needs to be cleared from outlet. (DWR UCIP - wwvlie)

FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 17 feet below the crown. Flap gate on the waterside (WS). Slide gate on the landside (LS) toe. Concrete headwalls at both the LS and the WS toes. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 515, (Station 902+50). USACE As-Built Drawing No. 50-4-2637, Exhibit B, Sheet 5, April 1950, (Station 902+50)].

FS Date: 6/1/2017 9:42:13 AM



Flap gate on WS slope.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/14/2018 03/14/2018	Bob Duffey

LM Start	2.49	Rating **	Α	Issue No.		63			
LM End	2.49	Issue Type +	Ma	Location *		LS			
Category	Earthen L	evee		GPS La	atitud	le/Longitude			
Calegory				Start		End			
Item	Vegetatio	n		39.5442	42°	39.544242 °			
item				-121.8466	1.846607 ° -121.8466				
DWR ID DWR_MA0005_02_s _ 2018_63									
		Comn	nent Cod	de					
	•	grass and wee	ds on th	e levee slo	pes	and			
easements	3.								
		Inspecto	or Comm	nent					



View of native vegetation on both slopes.

LM Start	3.10	Rating **	М	Issue No.		64		
LIVI Start								
LM End	3.10	Issue Type +	Ma	Location *		LS		
Category Earthen Levee				GPS La	atitud	le/Longitude		
Odlogory				Start		End		
Item	Encroach	ments		39.5517	47°	39.551747 °		
item		-12 ⁻			68°	-121.840568 °		
DWR ID DWR_MA0005_02_s _ 2018_64								
		Comn	nent Cod	le				
TR : Tree	or limb							
		Inspecto	or Comm	nent				
Remove th	Remove the tree from the landside slope and toe.							
	·							



View of the tree on the landside slope and toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/14/2018 03/14/2018	Bob Duffey

LM Start	4.03	Rating **	A/W	Issue No.		72		
LM End	4.03	Issue Type +	Ма	Location *				
Category	Supplemental				GPS Latitude/Longitude			
Calegory						End		
Item	DWR UCI	P LMA Respo	onsibility	39.56227	71 °	39.562271 °		
пеш		,			10°	-121.829610 °		
DWR ID								

Comment Code

Inspector Comment

FS_ID:52014 DS_ID:1647 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 5/18/2017 Crossing appears to be in good condition. Tree near the LS screw gate could use some trimming. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard-AFreitag)11/14/2016 Crossing appears to be in good condition. (DWR Sutter Yard-AFreitag)5/23/2016 Crossing appears to be in good condition.7/28/2015 Pipe appears in good condition. No noticeable issues to report.6/6/2013 Same as last inspection.11/12/2013 Same as last inspection.6/04/2014 Same as last inspection.11/25/2014 Same as last inspection. FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 14.3 feet below the crown. Slide gate on the landside (LS). Flap gate on the waterside (WS). Concrete headwall at the LS toe. Concrete splash apron on the WS. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 515, April 1955 (Station 5+20""A""). USACE As-Built Drawing No. 50-4-2637, Exhibit B, Sheet 4, April 1950, (Station 5+20""A"")]. FS Date: 6/1/2017 9:47:13 AM

LM Start	4.03	Rating **	A/W	Issue No.	72 (cont)
LM End	4.03	Issue Type +	Ma	Location *	



Concrete headwall and slide gate at LS toe.

Photo 2 of 3: UCIP_SP_2018_52014_68063.jpg



Concrete headwall and slide gate at LS toe.

Location Rating Issue Type LS: Land Side N/A: Not Applicable Ma: Maintenance Deficiancy N: Not Inspected/Rated : Acceptable Minimally Acceptable Ob : Design & System Obsolescence WS: Water Side C: Corrected CR: Crown U: Unacceptable A/W: Acceptable but Monitor & Maintain En: Enforcement

MA0005

Flood Control Project Maintenance Levee Inspections

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/14/2018 03/14/2018	Bob Duffey

LM Start	4.03	Rating **	A/W	Issue No.	72 (cont)		
LM End	4.03	Issue Type +	Ма	Location *			
Category				GPS La	atituc	le/Longitude	
Calegory				Start		End	
Item	DWR UCI	P LMA Respo	nsibility	39.5622	71 °	39.562271 °	
пеш				-121.8296	10°	-121.829610 °	
DWR ID							
Comment Code							

Inspector Comment

FS_ID:52014 DS_ID:1647 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 5/18/2017 Crossing appears to be in good condition. Tree near the LS screw gate could use some trimming. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard-AFreitag)11/14/2016 Crossing appears to be in good condition. (DWR Sutter Yard-AFreitag)5/23/2016 Crossing appears to be in good condition.7/28/2015 Pipe appears in good condition. No noticeable issues to report.6/6/2013 Same as last inspection.11/12/2013 Same as last inspection.6/04/2014 Same as last inspection.11/25/2014 Same as last inspection. FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 14.3 feet below the crown. Slide gate on the landside (LS). Flap gate on the waterside (WS). Concrete headwall at the LS toe. Concrete splash apron on the WS. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 515, April 1955 (Station 5+20""A""). USACE As-Built Drawing No. 50-4-2637, Exhibit B, Sheet 4, April 1950, (Station 5+20""A"")]. FS Date: 6/1/2017 9:47:13 AM



Flap gate at outlet on WS berm.

MA0005

Flood Control Project Maintenance Levee Inspections

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/14/2018 03/14/2018	Bob Duffey

LM Start	5.35	Rating **	М	Issue No.		73		
LM End	5.35	Issue Type +	Ма	Location *				
Category	Supplemental				GPS Latitude/Longitude			
Calegory			Start		End			
Item	DWR UCIP LMA Responsibility			39.57600	8 °	39.576008°		
пеш				-121.81259	9°	-121.812599°		
DWR ID								

Comment Code

Inspector Comment

FS_ID:52042 DS_ID:1650 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

5.35

LM End

UCIP Comments: 5/18/2017 Abandoned- only WS riser found. (DWR Sutter Yard- AFreitag)11/14/2016 Abandoned. (DWR Sutter Yard- AFreitag)5/23/2016 Abandoned7/28/2015 Abandoned- still cannot locate a LS ans WS pipe end.11/25/2014 Same as last inspection.6/04/2014 Same as last inspection.11/12/2013 Same as last inspection.0/31/2012 Appears abandoned. Unable to locate outfall on WS. Unable to locate inlet on LS.

FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal drainage pipe through the levee, 12.5 feet below the crown. Slide gate and flap gate in a 56-inch corrugated metal riser on the waterside (WS) berm. Flap gate on the WS. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 515, April 1955, (Station 688+40). USACE As-Built Drawing No. 50-4-2637, Exhibit B, Sheet 3, April 1950, (Station 688+40)].
FS Date: 6/1/2017 1:00:06 PM

LM Start 5.35 Rating ** M Issue No. 73 (cont)

Ma

Location

Issue Type +



Slide gate and flap gate inside CMP riser on WS berm.

Photo 2 of 2: UCIP_SP_2018_52042_68104.jpg



56-inch CMP riser on WS berm.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/14/2018 03/14/2018	Bob Duffey

LM Start	6.47	Rating **	A/W	Issue No.	74		
LM End	6.47	Issue Type +	Ма	Location *			
Category				GPS Latitude/Longitude			
Calegory				Start		End	
Item	DWR UC	IP LMA Respo	onsibility	39.58914	16°	39.589146°	
пеш				-121.80046	3°	-121.800463°	
DWR ID							
Comment Code							

Inspector Comment

FS_ID:52049 DS_ID:1654 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 5/18/2017 Crossing appears to be in good condition. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard- AFreitag)11/14/2016 Crossing appears to be in good condition. (DWR Sutter Yard-AFreitag)5/23/2016 Crossing appears to be in good condition.7/28/2015 Crossing appears in good condition. No noticeable issues to report.11/24/2014 Same as last inspection.6/04/2014 Same as last inspection.11/12/2013 Same as last inspection.6/6/2013 Same as last inspection.

FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 9.4 feet below the crown. Flap gate on the waterside (WS). Concrete headwalls at both the landside (LS) and the WS toes. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 515, April 1955, (Station 627+00). USACE As-Built Drawing No. 50-4-2637, Exhibit B, Sheet 3, April 1950, (Station 627+00)].

FS Date: 6/1/2017 1:10:07 PM

LM Start	6.47	Rating **	A/W	Issue No.	74 (cont)
LM End	6.47	Issue Type +	Ma	Location *	



Flap gate on WS toe.

Photo 2 of 3: UCIP_SP_2018_52049_68121.jpg



Headwall on LS toe.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/14/2018 03/14/2018	Bob Duffey

LM Start	6.47	Rating **	A/W	Issue No.	74 (cont)		
LM End	6.47	Issue Type +	Ма	Location *			
Category				GPS La	tituc	le/Longitude	
Category				Start		End	
Item	DWR UCI	P LMA Respo	nsibility	39.589146°		39.589146°	
пеш				-121.80046	3°	-121.800463 °	
DWR ID						·	
Comment Code							

Inspector Comment

FS_ID:52049 DS_ID:1654 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 5/18/2017 Crossing appears to be in good condition. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard- AFreitag)11/14/2016 Crossing appears to be in good condition. (DWR Sutter Yard-AFreitag)5/23/2016 Crossing appears to be in good condition.7/28/2015 Crossing appears in good condition. No noticeable issues to report.11/24/2014 Same as last inspection.6/04/2014 Same as last inspection.11/12/2013 Same as last inspection.6/C/2013 Same as last inspection.

FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 9.4 feet below the crown. Flap gate on the waterside (WS). Concrete headwalls at both the landside (LS) and the WS toes. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 515, April 1955, (Station 627+00). USACE As-Built Drawing No. 50-4-2637, Exhibit B, Sheet 3, April 1950, (Station 627+00)].

FS Date: 6/1/2017 1:10:07 PM



Headwall on LS toe.

LM Start	7.74	Rating **	U	Issue No.		53		
LM End	7.74	Issue Type +	Ma	Location *		LS		
Category Earthen Levee			GPS Latitude/Longitude					
			Start		End			
ltem	Item Animal Control			39.605088°		39.605088°		
item				-121.788569 °		-121.788569 °		
DWR ID	DWR ID DWR_MA0005_02_f _ 2016_53							
Comment Code								
A1 : Exterminate rodents and backfill and compact or grout burrows.								

Inspector Comment

12705/2016

Photo 1 of 2: SP_2018_MA0005_197_53_20180305_00025.jpg

View of the rodent holes along the landside slope.

* Location		** Ra
LS: Land Side	N/A: Not Applicable	Α
WS: Water Side		M
CR : Crown		U

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy

Ob : Design & System Obsolescence

n En: Enforcement

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Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/14/2018 03/14/2018	Bob Duffey

LM Start	7.74	Rating **	U	Issue No.	53 (cont)			
LM End	7.74	Issue Type +	Ma	Location *		LS		
Category	Earthen L	evee		GPS La	atitud	le/Longitude		
Calegory				Start		End		
Item	Animal Co	Animal Control			88°	39.605088°		
item			-121.788569°		-121.788569 °			
DWR ID	DWR_MA0	005_02_f _ 201	6_53					
		Comn	nent Cod	le				
A1 : Exterr	minate rod	ents and back	fill and c	compact or	grou	t burrows.		
	Inspector Comment							

Photo 2 of 2: SP_2018_MA0005_197_53_20180305_00026.jpg



View of the rodent holes along the crown and waterside slope.

Photo 1 of 2: SP_2018_MA0005_197_13_20180305_00005.jpg

LM Start	7.98	Rating **	М	Issue No.		13			
LM End	7.98	Issue Type +	Ма	Location *		LS			
Category	Earthen L	evee		GPS La	atitud	le/Longitude			
Calegory				Start		End			
Item	Slope Sta	bility		39.6077	'10 °	39.607710 °			
пеш				-121.785868 ° -121.785					
DWR ID DWR_MA0005_02_s _ 2012_13									
		Comn	nent Cod	de					
S3 : Repai access wh		slope damag le.	ed by ve	ehicle traffic	and	d prevent			
		Inspecto	or Comm	nent					

LM Start	7.98	Rating **	М	Issue No.	13 (cont)
LM End	7.98	Issue Type +	Ma	Location *	LS

View of the vehicle erosion along the landside slope.

Photo 2 of 2: SP_2018_MA0005_197_13_20180305_00006.jpg



View of the vehicle erosion along the slope.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/14/2018 03/14/2018	Bob Duffey

LM Start	8.00	Rating **	М	Issue No.		75
LM End	8.00	Issue Type +	Ма	Location *		
Category	Suppleme	ental		GPS Lat	itud	le/Longitude
Calegory				Start		End
Item	DWR UCI	P LMA Respo	onsibility	39.60780	2°	39.607802 °
пеш				-121.78559	7°	-121.785597 °
DWR ID						

Comment Code

Inspector Comment

FS_ID:52052 DS_ID:1656 EP_NO: N/A

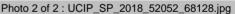
Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 5/18/2017 LS inlet is almost completely full of soil. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard- AFreitag)11/14/2016 LS inlet almost completely full of soil. (DWR Sutter Yard- AFreitag)5/23/2016 LS end is almost completel full of soil.7/28/2015 Pipe is still over 3/4 full of soil. 11/24/2014 Same as last inspection.6/04/2014 Same as last inspection.11/12/2013 Same as last inspection.6/6/2013 Same as last inspection.10/31/2012 Pipe 3/4 full with soil on LS. FIELD_STRUCT_DESC: 24-inch (not 18-inch as shown in as-built drawing) corrugated metal drainage pipe through the levee, 6.7 feet below the crown. Concrete headwall at the landside (LS) toe. Flap gate on the waterside (WS). [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 516, April 1960, (Station 379+98). USACE As-Built Drawing No. 50-4-2637, Exhibit B, Sheet 2, April 1950, (Station 550+60)]. FS Date: 6/1/2017 1:15:55 PM

LM Start	8.00	Rating **	М	Issue No.	75 (cont)
LM End	8.00	Issue Type +	Ma	Location *	



Flap gate at WS toe.





Concrete headwall on LS toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/14/2018 03/14/2018	Bob Duffey

LM Start	8.06	Rating **	М	Issue No.	40		
LM End	8.06	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	le/Longitude		
Calegory				Start		End	
Item	Slope Sta	bility		39.608563°		39.608563 °	
пеш				-121.7850	58°	-121.785058 °	
DWR ID	DWR_MA0	005_02_f _ 201	4_40				
Comment Code							
S3 : Repai	r the levee	slope damac	ed by ve	ehicle traffic	and	prevent	

access where possible.

Inspector Comment



View of the vehicle slope instability along the landside slope.

LM Start	8.11	Rating **	A/W	Issue No.		76
LM End	8.11	Issue Type +	Ma	Location *		
Category	Suppleme	ental		GPS La	atitud	le/Longitude
Calegory				Start		End
Item	DWR UCI	P LMA Respo	onsibility	39.6091	62 °	39.609162°
item				-121.7846	47°	-121.784647 °
DWR ID						

Comment Code

Inspector Comment

FS_ID:52059 DS_ID:1662 EP_NO: N/A

Repair Type: No Action Needed

Crossing Status: Found

UCIP Comments: 5/18/2017 Crossing appears to be in good condition. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard- AFreitag)11/14/2016 Crossing appears to be in good condition. (DWR Sutter Yard-

AFreitag)5/12/2016 Crossing appears to be in good

condition.7/30/2015 Crossing is in good condition. No noticeable issues to report.11/24/2014 Same as last inspection.6/4/2014

Same as last inspection.11/13/2013 Same as last

inspection..6/6/2013 Same as last inspection.

FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 16.3 feet below the crown. Flap gate on the waterside (WS). Concrete ""U"" shaped headwalls on both the landside (LS) and the WS. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 516, April 1960, (Station 374+90). USACE As-Built Drawing No. 50-4-3367, Exhibit B, Sheet 13, April

1957, (Station 374+90)]. FS Date: 6/1/2017 1:25:58 PM

Photo 1 of 3: UCIP_SP_2018_52059_68394.jpg



Concrete inlet on LS toe.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/14/2018 03/14/2018	Bob Duffey

LM Start	8.11	Rating **	A/W	Issue No.		76 (cont)	
LM End	8.11	Issue Type +	Ма	Location *			
Category	Supplemental			GPS Latitude/Longitude			
Calegory				Start		End	
ltom	DWR UCI	P LMA Respo	39.6091	62 °	39.609162 °		
Item		-121.7846	47 °	-121.784647 °			
DWR ID							

Comment Code

Inspector Comment

FS_ID:52059 DS_ID:1662 EP_NO: N/A

Repair Type: No Action Needed

Crossing Status: Found
UCIP Comments: 5/18/2017 Crossing appears to be in good condition.
Pipe has been selected to be internally cleaned and inspected as part
of the DMP project. (DWR Sutter Yard- AFreitag)11/14/2016
Crossing appears to be in good condition. (DWR Sutter YardAFreitag)5/12/2016 Crossing appears to be in good
condition.7/30/2015 Crossing is in good condition. No noticeable
issues to report.11/24/2014 Same as last inspection.6/4/2014
Same as last inspection.11/13/2013 Same as last
inspection..6/6/2013 Same as last inspection.
FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe
through the levee, 16.3 feet below the crown. Flap gate on the

FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 16.3 feet below the crown. Flap gate on the waterside (WS). Concrete ""U"" shaped headwalls on both the landside (LS) and the WS. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 516, April 1960, (Station 374+90). USACE As-Built Drawing No. 50-4-3367, Exhibit B, Sheet 13, April 1957, (Station 374+90)].

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LM Start	8.11	Rating **	A/W	Issue No.	76 (cont)
LM End	8.11	Issue Type +	Ma	Location *	



Concrete inlet on LS toe.

Photo 3 of 3: UCIP_SP_2018_52059_68392.jpg



Concrete outlet and flap gate on WS toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/14/2018 03/14/2018	Bob Duffey

LM Start	8.77	Rating **	A/W	Issue No.		77		
LM End	8.77	Issue Type +	Ма	Location *				
Category	Supplemental				GPS Latitude/Longitude			
Calegory	Category			Start		End		
Item	DWR UCI	DWR UCIP LMA Responsibility			47°	39.617747°		
пеш				-121.7789	64 °	-121.778964 °		
DWR ID								

Comment Code

Inspector Comment

FS_ID:52061 DS ID:1663 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 5/18/2017 Crossing appears to be in good condition. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard- AFreitag)11/14/2016 Crossing appears to be in good condition. (DWR Sutter Yard-AFreitag)5/12/2016 Crossing appears to be in good condition.7/30/2015 Crossing appears in good condition. No noticeable issues to report.11/24/2014 Same as last inspection.6/4/2014 Same as last inspection.11/13/2013 Damaged pipe section was dug up and replaced. New WS flapgate with u-shaped wingwall installed on end of pipe.6/6/2013 Same as last inspection. Plans have been made to repair during summer of 2013 before high water season.11/01/2012 Pipe rusted through along bottom at WS oulet. Sink hole over pipe on WS berm. WS headwall eroded eternally around backside of headwall.

FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 15 feet below the crown. Flap gate on the waterside (WS). Concrete headwalls on both the landside (LS) and the WS. [Additional Reference(s): DWR Levee Log, 1990. USACE As-Built Drawing No. 50-4-3367, Exhibit B, Sheet 11, (Station 340+04)].

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LM Start	8.77	Rating **	A/W	Issue No.	77 (cont)
LM End	8.77	Issue Type +	Ma	Location *	



Concrete U-shaped headwall on LS toe.

Photo 2 of 3: UCIP_SP_2018_52061_68396.jpg



Concrete U-shaped headwall on LS toe.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/14/2018 03/14/2018	Bob Duffey

LM Start	8.77	Rating **	A/W	Issue No.		77 (cont)	
LM End	8.77	Issue Type +	Ма	Location *			
Category Supplemental GPS Latitude/Lor					le/Longitude		
Calegory				Start		End	
Item	DWR UC	IP LMA Respo	nsibility	39.6177	47 °	39.617747	0
пеш					64 °	-121.778964	0
DWR ID							
	Comment Code						

Inspector Comment

FS_ID:52061 DS_ID:1663 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 5/18/2017 Crossing appears to be in good condition. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard- AFreitag)11/14/2016 Crossing appears to be in good condition. (DWR Sutter Yard-AFreitag)5/12/2016 Crossing appears to be in good condition.7/30/2015 Crossing appears in good condition. No noticeable issues to report.11/24/2014 Same as last inspection.6/4/2014 Same as last inspection was dug up and replaced. New WS flapgate with u-shaped wingwall installed on end of pipe.6/6/2013 Same as last inspection. Plans have been made to repair during summer of 2013 before high water season.11/01/2012 Pipe rusted through along bottom at WS oulet. Sink hole over pipe on WS berm. WS headwall eroded eternally around backside of headwall.

FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 15 feet below the crown. Flap gate on the waterside (WS). Concrete headwalls on both the landside (LS) and the WS. [Additional Reference(s): DWR Levee Log, 1990. USACE As-Built Drawing No. 50-4-3367, Exhibit B, Sheet 11, (Station 340+04)]. FS Date: 6/1/2017 1:27:46 PM

Photo 3 of 3: UCIP_SP_2018_52061_68395.jpg



Concrete U shaped outlet and flap gate at WS of Berm.

CR: Crown

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type
Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/14/2018 03/14/2018	Bob Duffey

LM Start	8.80	Rating **	М	Issue No.		78
LM End	8.80	Issue Type +	Ma	Location *		
Category	Suppleme	ental		GPS La	tituc	le/Longitude
Calegory	iry			Start		End
Item	DWR UC	IP LMA Respo	onsibility	39.61816	63 °	39.618163 °
пеш				-121.77874	45 °	-121.778745 °
DWR ID						

Comment Code

Inspector Comment

FS_ID:52062 DS_ID:1664 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 5/18/2017 No LS slide gate but not sure its even needed. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard- AFreitag)11/14/2016 LS slide gate still missing. Rest of crossing appears in good condition. (DWR Sutter Yard- AFreitag)5/12/2016 LS inlet was unburied. Slide gate still missing7/30/2015 LS inlet is still buried.11/24/2014 Same as last inspection.6/4/2014 Same as last inspection.11/13/2013 Same as last inspection.6/6/2013 Same as last

inspection.11/01/2012 LS inlet is buried under soil and covered with brambles. Slide gate missing from LS.

FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS). Concrete headwall on the WS. Concrete headwall on the landside (LS), not found. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 516, April 1960, (Station 338+04). USACE As-Built Drawing No. 50-4-3367, Exhibit B, Sheet 11,

April 1957, (Station 338+04)]. FS Date: 6/1/2017 1:29:34 PM

LM Start	8.80	Rating **	М	Issue No.	78 (cont)
LM End	8.80	Issue Type +	Ma	Location *	

Photo 1 of 3: UCIP_SP_2018_52062_68406.jpg



WS outlet and concrete U shaped headwall.

Photo 2 of 3: UCIP_SP_2018_52062_68404.jpg



Brambles and soil over pipe at inlet.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/14/2018 03/14/2018	Bob Duffey

LM Start	8.80	Rating **	М	Issue No. 78 (conf		78 (cont)
LM End	8.80	Issue Type +	Ма	Location *		
Category	Suppleme	ental		GPS Latitude/Longitude		
Calegory	Category			Start		End
Item	DWR UC	IP LMA Respo	onsibility	39.61816	33°	39.618163 °
пеш				-121.77874	15 °	-121.778745 °
DWR ID						

Comment Code

Inspector Comment

FS_ID:52062 DS_ID:1664 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 5/18/2017 No LS slide gate but not sure its even needed. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard- AFreitag)11/14/2016 LS slide gate still missing. Rest of crossing appears in good condition. (DWR Sutter Yard- AFreitag)5/12/2016 LS inlet was unburied. Slide gate still missing7/30/2015 LS inlet is still buried.11/24/2014 Same as last inspection.6/4/2014 Same as last inspection.11/13/2013 Same as last inspection.6/6/2013 Same as last

inspection.11/01/2012 LS inlet is buried under soil and covered with brambles. Slide gate missing from LS.

FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS). Concrete headwall on the WS. Concrete headwall on the landside (LS), not found. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 516, April 1960, (Station 338+04). USACE As-Built Drawing No. 50-4-3367, Exhibit B, Sheet 11,

April 1957, (Station 338+04)]. FS Date: 6/1/2017 1:29:34 PM

Photo 3 of 3 : UCIP_SP_2018_52062_68403.jpg

Concrete U shaped headwall and flap gate at WS toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/14/2018 03/14/2018	Bob Duffey

LM Start	9.12	Rating **	A/W	Issue No.		79		
LM End	9.12	Issue Type +	Ма	Location *				
Category	Supplemental				GPS Latitude/Longitude			
Calegory				Start		End		
Item	DWR UCI	IP LMA Respo	onsibility	39.6223	77 °	39.622377°		
пеш				-121.77632	27 °	-121.776327°		
DWR ID								

Comment Code

Inspector Comment

FS_ID:52063 DS_ID:1665 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

FS Date: 6/1/2017 1:32:51 PM

UCIP Comments: 5/18/2017 Crossing appears to be in good condition. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard- AFreitag)11/14/2016 Crossing appears to be in good condition. (DWR Sutter Yard-AFreitag)5/12/2016 Crossing appears to be in good condition.7/30/2015 Crossing appears in good condition. No noticeable issues to report.11/24/2014 Same as last inspection.6/4/2014 Same as last inspection.6/6/2013 Same as last inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 11.3 feet below the crown. Flap gate on the waterside (WS). Concrete headwalls on both the landside (LS) and the WS. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 516, April 1960, (Station 321+20)].

LM Start	9.12	Rating **	A/W	Issue No.	79 (cont)
LM End	9.12	Issue Type +	Ma	Location *	



Concrete U shaped headwall and flap gate on WS toe.

Photo 2 of 3: UCIP_SP_2018_52063_68412.jpg



Concrete U shaped headwall on LS toe.

+ Issue Type Ma : Mainter

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/14/2018 03/14/2018	Bob Duffey

LM Start	9.12	Rating **	A/W	Issue No.		79 (cont)			
LM End	9.12	Issue Type +	Ма	Location *					
Category	Supplemental			Supplemental GPS Latitude/Longit					e/Longitude
Category	Category					End			
Item	DWR UC	IP LMA Respo	nsibility	39.62237	77°	39.622377°			
пеш				-121.77632	27 °	-121.776327°			
DWR ID									

Inspector Comment

Comment Code

FS_ID:52063 DS ID:1665 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 5/18/2017 Crossing appears to be in good condition. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard- AFreitag)11/14/2016 Crossing appears to be in good condition. (DWR Sutter Yard-AFreitag)5/12/2016 Crossing appears to be in good condition.7/30/2015 Crossing appears in good condition. No noticeable issues to report.11/24/2014 Same as last inspection.6/4/2014 Same as last inspection.11/13/2013 Same as last inspection.6/6/2013 Same as last inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 11.3 feet below the crown. Flap gate on the

waterside (WS). Concrete headwalls on both the landside (LS) and the WS. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 516, April 1960, (Station 321+20)]. FS Date: 6/1/2017 1:32:51 PM

Photo 3 of 3: UCIP_SP_2018_52063_68411.jpg



Concrete U shaped headwall on LS toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/14/2018 03/14/2018	Bob Duffey

LM Start	9.44	Rating **	М	Issue No.		80
LM End	9.44	Issue Type +	Ma	Location *		
Supplemental GPS Latitu			Supplemental			le/Longitude
Category				Start		End
Item	DWR UCIP LMA Responsibility			39.62689	94 °	39.626894°
пеш			-121.77518	30°	-121.775180 °	
DWR ID						

Comment Code

Inspector Comment

FS_ID:52064 DS ID:1666 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 5/18/2017 LS inlet half full of soil and WS flap gate half buried by sediment. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard-AFreitag)11/14/2016 LS pipe inlet is half full of soil. WS flap gate shut but half buried by sediment. (DWR Sutter Yard-

AFreitag)5/12/2016 Pipe is half full of soil.7/30/2015 Pipe is 1/4 to 1/2 full of soil still.11/24/2014 Same as last inspection.6/4/2014 Same as last inspection.11/13/2013 Same as last

inspection.6/6/2013 Same as last inspection.11/01/2012 Pipe 1/2

filled with soil.

FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 11.2 feet below the crown. Flap gate on the waterside (WS). Concrete ""U"" shaped headwalls on both the landside (LS) and the WS. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 516, April 1960, (Station 304+10). USACE As-Built Drawing No. 50-4-3367, Exhibit B, Sheet 3, April 1957, (Station 304+10)].

FS Date: 6/1/2017 1:34:12 PM

LM Start	9.44	Rating **	М	Issue No.	80 (cont)
LM End	9.44	Issue Type +	Ma	Location *	

Photo 1 of 3: UCIP_SP_2018_52064_68417.jpg



View of outlet looking toward WS toe.

Photo 2 of 3: UCIP_SP_2018_52064_68416.jpg



View of inlet on LS toe.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/14/2018 03/14/2018	Bob Duffey

LM Start	9.44	Rating **	М	Issue No.		80 (cont)		
LM End	9.44	Issue Type +	Ma	Location *				
Category	Supplemental				GPS Latitude/Longitude			
Calegory				Start		End		
Item	DWR UC	IP LMA Respo	nsibility	39.62689	4 °	39.626894°		
пеш				-121.77518	° 0	-121.775180 °		
DWR ID								

Inspector Comment

Comment Code

FS_ID:52064 DS_ID:1666 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 5/18/2017 LS inlet half full of soil and WS flap gate half buried by sediment. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard-AFreitag)11/14/2016 LS pipe inlet is half full of soil. WS flap gate shut but half buried by sediment. (DWR Sutter Yard-

AFreitag)5/12/2016 Pipe is half full of soil.7/30/2015 Pipe is 1/4 to 1/2 full of soil still.11/24/2014 Same as last inspection.6/4/2014 Same as last inspection.11/13/2013 Same as last

inspection.6/6/2013 Same as last inspection.11/01/2012 Pipe 1/2

filled with soil.

FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 11.2 feet below the crown. Flap gate on the waterside (WS). Concrete ""U"" shaped headwalls on both the landside (LS) and the WS. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 516, April 1960, (Station 304+10). USACE As-Built Drawing No. 50-4-3367, Exhibit B, Sheet 3, April 1957, (Station 304+10)].

FS Date: 6/1/2017 1:34:12 PM

Photo 3 of 3: UCIP_SP_2018_52064_68415.jpg



Concrete U-shaped headwall on LS toe.

LM Start	10.63	Rating **	М	Issue No.		18		
LM End	10.63	Issue Type +	Ma	Location *	LS			
Cotagon Earthen Levee				GPS Latitude/Longitude				
Calegory	Category					End		
Item	Slope Sta	bility		39.64206	°	39.642061 °		
Item					٥	-121.783861 °		
DWR ID DWR_MA0005_02_s _ 2012_18								

Comment Code

S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.

Inspector Comment

Photo 1 of 1 : SP_2018_MA0005_197_18_20180305_00007.jpg



View of the vehicle erosion along the slope of the levee.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/14/2018 03/14/2018	Bob Duffey

LM Start	10.95	Rating **	М	Issue No.		58
LM End	10.95	Issue Type +	Ma	Location *		LS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Slope Sta	bility		39.6460)45°	39.646045 °
пеш			-121.786927 °		-121.786927 °	
DWR ID	DWR_MA0	005_02_f _ 201	6_58			
		Comn	nent Cod	le		
S2 : Repai where pos		slope damag	ed by fo	ot traffic an	d pre	event access
		Inspecto	or Comm	nent		



View of the damaged landside slope.

LM Start	10.96	Rating **	М	Issue No.		59		
LM End	10.99	Issue Type +	Ma	Location *		LS		
Category Earthen Levee				GPS Latitude/Longitude				
Category						End		
Item	Trim / Thi	n Trees		39.6462	20°	39.646598°		
пеш			-121.7870	55 °	-121.787365°			
DWR ID DWR_MA0005_02_f _ 2016_59						·		
	Commant Code							

Comment Code

T1 : Trim trees to at least five feet above ground level.

Inspector Comment

Nο	Photos	:

LM Start	11.05	Rating **	M	Issue No.	26		
LM End	11.05	Issue Type +	Ma	Location *	LS		
Earthen Levee			GPS La	atitud	e/Longitude		
Calegory	Category			Start		End	
ltom	Vegetatio	n		39.6474	00°	39.647400	0
Item			-121.7878	25 °	-121.787825	0	
DWR ID	DWR ID DWR_MA0005_02_f _ 2012_26						
Comment Code							

V4: Elderberries are blocking visibility and flood fight capability.

Inspector Comment

No Photos

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/14/2018 03/14/2018	Bob Duffey

LM Start	11.10	Rating **	М	Issue No.		36
LM End	11.10	Issue Type +	Ma	Location *		LS
Catagory	Earthen L	evee		GPS La	atitud	e/Longitude
Category				Start		End
Item	Encroach	ments		39.6479	13 °	39.647913
пеш				-121.7883	30°	-121.788330
DWR ID DWR_MA0005_02_s _ 2015_36						
		Comn	nent Cod	de		
TR : Tree	or limb					
			_			
		Inspecto	or Comm	nent		



Remove the tree log from the landside toe.

LM Start	11.81	Rating **	С	Issue No.	68		
LM End	11.81	Issue Type +	Ma	Location *	LS		
Category Earthen Levee				GPS Latitude/Longitude			
Calegory			Start		End		
Item	Animal Co	ontrol		39.65761	8 °	39.657618°	
пеш				-121.78849	5 °	-121.788495°	
DWR ID	DWR_MA0	005_02_f _ 201	7_68				
	Comment Code						

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

The rodent holes was repaired along the landside slope.

No Photos

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/14/2018 03/14/2018	Bob Duffey

LM Start	12.80	Rating **	М	Issue No.		83
LM End	12.80	Issue Type +	Ma	Location *		
Category	Suppleme	ental		GPS Lat	itud	le/Longitude
Calegory					Start	
Item	DWR UC	DWR UCIP LMA Responsibility			2 °	39.670982 °
пеш				-121.78310	3°	-121.783103 °
DWR ID						

Comment Code Inspector Comment

FS_ID:52072 DS_ID:1673 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

UCIP Comments: 5/18/2017 Abandoned- needs to be done properly. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard- AFreitag)11/14/2016 Abandoned- needs a cover for standpipe. (DWR Sutter Yard-AFreitag)5/11/2016 Abandoned crossing. Needs a cover fo the WS riser.8/3/2015 Crossing appears abandoned. Only the slide gate inside riser on the WS shoulder could be found. Riser needs a cover made for it.11/24/2014 Same as last inspection.6/4/2014 Same as last inspection.11/13/2013 Slide gate top and stem were repaired to make gate operational.6/6/2013 New slidegate is planned to be installed during summer of 2013.11/01/2012 Slide gate on WS shoulder bent and damaged (inoperable) Pipe appears abandoned. FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal drainage pipe through the levee, 14 feet below the crown. Slide gate in a corrugated metal riser on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 516, April 1960, (Station 126+91)]. FS Date: 6/1/2017 1:52:47 PM

LM Start	12.80	Rating **	М	Issue No.	83 (cont)
I M End	12.80	Issue Type +	Ma	Location *	



Broken slide gate in CM riser on WS slope.

Photo 2 of 3: UCIP_SP_2018_52072_68464.jpg



Abandoned headwall on LS toe.

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/14/2018 03/14/2018	Bob Duffey

LM Start	12.80	Rating **	М	Issue No.		83 (cont)		
LM End	12.80	Issue Type +	Ma	Location *				
Category Supplemental				GPS Latitude/Longitude				
				Start		End		
Item	DWR UCIP LMA Responsibility			39.6709	82 °	39.670982 °		
пеш				-121.7831	03 °	-121.783103 °		
DWR ID								
	Comment Code							

Inspector Comment

FS_ID:52072 DS_ID:1673 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

FS Date: 6/1/2017 1:52:47 PM

UCIP Comments: 5/18/2017 Abandoned- needs to be done properly. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard- AFreitag)11/14/2016 Abandoned- needs a cover for standpipe. (DWR Sutter Yard-AFreitag)5/11/2016 Abandoned crossing. Needs a cover fo the WS riser.8/3/2015 Crossing appears abandoned. Only the slide gate inside riser on the WS shoulder could be found. Riser needs a cover made for it.11/24/2014 Same as last inspection.6/4/2014 Same as last inspection.11/13/2013 Slide gate top and stem were repaired to make gate operational.6/6/2013 New slidegate is planned to be installed during summer of 2013.11/01/2012 Slide gate on WS shoulder bent and damaged (inoperable) Pipe appears abandoned. FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal drainage pipe through the levee, 14 feet below the crown. Slide gate in a corrugated metal riser on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 516, April 1960, (Station 126+91)].



Broken slide gate in CM riser on WS slope.

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy

Ob : Design & System Obsolescence

En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/14/2018 03/14/2018	Bob Duffey

LM Start	13.40	Rating **	A/W	Issue No.		86
LM End	13.40	Issue Type +	Ma	Location *		
Category	Suppleme	ental		GPS La	titud	le/Longitude
Calegory				Start		End
Item	DWR UC	IP LMA Respo	onsibility	39.67855	50°	39.678550°
пеш				-121.77833	39°	-121.778339 °
DWR ID						

Comment Code

Inspector Comment

FS_ID:52083 DS_ID:1679 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

Manual 516, April 1960, (Station 93+78)]. FS Date: 6/1/2017 2:09:55 PM

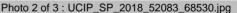
UCIP Comments: 5/18/2017 Crossing appears to be in good condition. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard- AFreitag)11/14/2016 Crossing appears to be in good condition. (DWR Sutter Yard-AFreitag)5/11/2016 Crossing appears to be in good condition.8/3/2015 Crossing appears to be in good condition. No noticeable issues to report.11/25/2014 Same as last inspection.6/4/2014 Same as last inspection.6/4/2014 Same as last inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 14.5 feet below the crown. Concrete ""U"" shaped headwall on the waterside (WS). Flap gate on the WS. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M

 LM Start
 13.40
 Rating **
 A/W
 Issue No.
 86 (cont)

 LM End
 13.40
 Issue Type +
 Ma
 Location *



Inlet relocated after bridge replacement away from LS toe.





Inlet 50-feet NW of levee crown.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/14/2018 03/14/2018	Bob Duffey

LM Start	13.40	Rating **	A/W	Issue No.		86 (cont)	
LM End	13.40	Issue Type +	Ма	Location *			
Category				GPS Latitude/Longitude			
Calegory		Start		End			
Item	DWR UCI	DWR UCIP LMA Responsibility			o°	39.678550	
item				-121.77833	9°	-121.778339	
DWR ID							

Comment Code

Inspector Comment

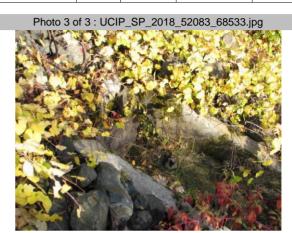
FS_ID:52083 DS ID:1679 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 5/18/2017 Crossing appears to be in good condition. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard- AFreitag)11/14/2016 Crossing appears to be in good condition. (DWR Sutter Yard-AFreitag)5/11/2016 Crossing appears to be in good condition.8/3/2015 Crossing appears in good condition. No noticeable issues to report.11/25/2014 Same as last inspection.6/4/2014 Same as last inspection.11/13/2013 Same as last inspection.6/6/2013 Same as last inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe

through the levee, 14.5 feet below the crown. Concrete ""U"" shaped headwall on the waterside (WS). Flap gate on the WS. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 516, April 1960, (Station 93+78)].

FS Date: 6/1/2017 2:09:55 PM



Concrete U-shaped headwall and flap gate at WS slope.

LM Start	14.13	Rating **	М	Issue No.		43		
LM End	14.13	Issue Type +	Ma	Location *		LS		
Category	Earthen Levee				GPS Latitude/Longitude			
Category				Start		End		
Item	Slope Stability			39.688715°		39.688715 °		
item				-121.7783	45 °	-121.778345 °		
DWR ID DWR_MA0005_02_f _ 2014_43								
Comment Code								

S1: Repair slope instability.

Inspector Comment

The landowner disked into the slope of the levee.

Photo 1 of 1: SP_2018_MA0005_197_43_20180305_00019.jpg



View of the tilling into the landside slope.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/14/2018 03/14/2018	Bob Duffey

		D (' **						
LM Start	14.39	Rating **	М	Issue No.		38		
LM End	14.39	Issue Type +	Ma	Location *		WS		
Category	Earthen L	.evee		GPS La	atitud	e/Longitude		
Category				Start		End		
Item	Encroachments			39.6922	84°	39.692284°		
пеш				-121.779394°		-121.779394°		
DWR ID DWR_MA0005_02_s _ 2016_38								
Comment Code								
TR : Tree	or limb							
		Inspecto	or Comm	nent				
Fallen tree	Fallen trees on W/S slope of levee.							
•								

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	Shall	1

Photo 1 of 1: SP 2018 MA0005 197 38 20180305 00014.ipg

5/5/2016: Remove fallen tree from W/S slope.

LM Start	14.46	Rating **	A/W	Issue No.		89			
LM End	14.46	Issue Type +	Ма	Location *					
Category	Supplemental				GPS Latitude/Longitude				
Calegory						End			
Item	DWR UCI	P LMA Respo	nsibility	39.6933	31 °	39.693331	0		
iteiii	2111			-121.7795	56°	-121.779556	٥		
DWR ID									

Comment Code

Inspector Comment

FS_ID:52086 DS_ID:1682 EP_NO: N/A

Repair Type: No Action Needed

Crossing Status: Found

UCIP Comments: 5/18/2017 Crossing appears to be in good condition. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard- AFreitag)11/14/2016 Crossing appears to be in good condition. (DWR Sutter Yard-AFreitag)5/11/2016 Crossing appears to be in good condition.8/3/2015 Crossing appears in good condition. No noticeable issues to report.11/25/2014 Same as last inspection.6/4/2014 Same as last inspection.11/13/2013 Same as last inspection.6/6/2013 Same as last inspection. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7.2 feet below the crown. Concrete ""U"" shaped

through the levee, 7.2 feet below the crown. Concrete ""U"" shaped headwall and grouted spillway on the waterside (WS). Slide gate in a 48-inch concrete standpipe on the landside (LS). Flap gate on the WS. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 516, April 1960, (Station 37+10)].

FS Date: 6/1/2017 2:13:46 PM

Photo 1 of 3: UCIP_SP_2018_52086_68544.jpg



Outlet at U-shaped headwall on WS toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/14/2018 03/14/2018	Bob Duffey

LM Start	14.46	Rating **	A/W	Issue No.		89 (cont)	
LM End	14.46	Issue Type +	Ма	Location *			
Category	Supplemental			GPS Latitude/Longitude			
Calegory			Start		End		
Item	DWR UC	P LMA Respo	onsibility	39.6933	31 °	39.693331 °	
пеш				-121.7795	56°	-121.779556 °	
DWR ID							

Comment Code

Inspector Comment

FS_ID:52086 DS_ID:1682 EP_NO: N/A

Repair Type: No Action Needed Crossing Status: Found

FS Date: 6/1/2017 2:13:46 PM

UCIP Comments: 5/18/2017 Crossing appears to be in good condition. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard- AFreitag)11/14/2016 Crossing appears to be in good condition. (DWR Sutter Yard-AFreitag)5/11/2016 Crossing appears to be in good condition. 8/3/2015 Crossing appears in good condition. No noticeable issues to report.11/25/2014 Same as last inspection.6/4/2014 Same as last inspection.6/4/2014 Same as last inspection. Same as last inspection. Same as last inspection. STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7.2 feet below the crown. Concrete ""U"" shaped headwall and grouted spillway on the waterside (WS). Slide gate in a 48-inch concrete standpipe on the landside (LS). Flap gate on the WS. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 516, April 1960, (Station 37+10)].

LM Start	14.46	Rating **	A/W	Issue No.	89 (cont)
LM End	14.46	Issue Type +	Ma	Location *	



Concrete lined channel on LS toe.

Photo 3 of 3: UCIP_SP_2018_52086_68542.jpg



Concrete standpipe and slide gate on LS toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/14/2018 03/14/2018	Bob Duffey

LM Start	14.47	Rating **	М	Issue No.		90	
LM End	14.47	Issue Type +	Ma	Location *			
Supplemental				GPS Latitude/Longitude			
Calegory			Start		End		
Item	DWR UCIP LMA Responsibility			39.693406°		39.693406°	
пеш			-121.7795	83 °	-121.779583 °		
DWR ID							
Comment Code							

Inspector Comment

FS_ID:52087 DS ID:1683 EP_NO: N/A

Repair Type: Non-Urgent Crossing Status: Found

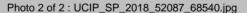
UCIP Comments: 5/18/2017 WS appears to be in good condition. LS inlet is across a ditch and inaccessible for inspection due to dense vegetation and being down a very steep slope. Pipe has been selected to be internally cleaned and inspected as part of the DMP project. (DWR Sutter Yard- AFreitag)11/14/2016 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)5/11/2016 Crossing appears to be in good condition.8/3/2015 Crossing appears in good condition. No noticeable issues to report.6/6/2013 Same as last inspection.11/13/2013 Same as last inspection.6/4/2014 Same as last inspection.11/25/2014 Same as last inspection.

FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 14.3 feet below the crown. Concrete ""U"" headwalls on both the landside (LS) and the waterside (WS). Flap gate on the WS. Inlet downhill from a concrete lined channel at the low point on the LS toe. [Additional Reference(s): DWR Levee Log, 1990. USACE Sacramento O&M Manual 516, April 1960, (Station 36+85)]. FS Date: 6/1/2017 2:14:24 PM

LM Start 14.47 Rating ** Issue No. 90 (cont) Issue Type + Location * 14.47 Ма LM End



Inlet at LS toe.





Outlet at WS toe with flap gate and concrete U-shaped headwall.

Location Rating LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown U: Unacceptable

: Acceptable Minimally Acceptable N: Not Inspected/Rated C: Corrected

Issue Type Ma: Maintenance Deficiancy Ob : Design & System Obsolescence

A/W: Acceptable but Monitor & Maintain En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Butte Creek	Right	16.27	03/14/2018 03/14/2018	Bob Duffey

LM Start	16.05	Rating **	М	Issue No.		39	
LM End	16.05	Issue Type +	Ma	Location *		LS	
Earthen Levee			GPS La	atitud	le/Longitude		
Calegory	Category					End	
Item	Animal Control			39.7140	16°	39.714016 °	
item				-121.7823	17°	-121.782317 °	
DWR ID DWR_MA0005_02_f _ 2016_39							
		Comn	nent Cod	le			
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.							
		Inspecto	or Comm	nent			
Backfill and compact the rodent holes.							



View of the rodent holes along the landside slope.

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy

Ob : Design & System Obsolescence

En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2018

Sutter Maintenance Yard Maintenance Area 0005

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Little Chico Creek Diversion	Left	1.49	03/14/2018 03/14/2018	Bob Duffey

LM Start	0.55	Rating **	Α	Issue No.		2	
LM End	0.55	Issue Type +	Ma	Location *		LS	
Category Earthen Levee			GPS La	atitud	e/Longitude		
Category				Start		End	
Item	Vegetatio	39.7241	82 °	39.724182 °			
пеш				-121.7809	40°	-121.780940 °	
DWR ID DWR_MA0005_03_s _ 2018_2							
		Comn	nent Cod	le			
V1 : Control annual grass and weeds on the levee slopes and easements.							
Inspector Comment							
The grasses was removed from both slopes.							

Photo 1 of 1 : SP_2018_MA0005_198_2_20180402_00001.jpg

View of the no grasses on both slopes.